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Vaughan's Gardening Illustrated

1923

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U.S. Department of Agri

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ANNUAL
LARKSPUR
Stock Flowered
Vaughan's
Special Mixture
See Page 1

NGOLD
CHICAGO

Vaughan's Gladioli

OUR FAMOUS "RAINBOW" MIXTURE

THIS name has been chosen by us for our highest quality blendings of the many named varieties which we grow including French novelties with other choice varieties of which we have only in moderate quantities. This is the best mixture which our collection permits and we believe unexcelled by any obtainable elsewhere. All the varieties illustrated above are included in it. Each lot, whether in dozens, 50s or 100s, of all Vaughan's Mixtures is put up separately to insure correct proportions of kinds and colors. A careful method not generally practiced.

Price, doz., $1.00, postpaid; by exp., not prepaid, 50 for $3.00; 100 for $5.50; 250 for $12.50; 500 for $23.00.

HOMEWOOD MIXTURE

Our Wonderful Special Value Collection

These bulbs are third size about **one inch** in diameter, all bloomers, selected from some of the choice kinds we grow in large quantities on our farms. They will often give as large a spike as a fully matured bulb, but as they are small do not bloom so early in the season as either first size or medium bulbs. We make this special offer to those who desire moderate prices, a liberal quantity and accept a little later flowering date. Plant 6 inches apart. The best pinks, whites, reds and many odd shades included.

Price, prepaid, 50 bulbs for $1.00; by express, not prepaid, 250 for $4.00; 500 for $7.00; 1,000 for $13.00.

VAUGHAN'S "STANDARD" MIXED

We have thrown away all the common and cheap left-overs which our trial grounds have proved to exist in old mixtures. We do not send out any mixtures that will not make a brilliant showing in the gardens of our customers. This one, "STANDARD" MIXED, will be found satisfactory everywhere, except where special named kinds are wanted. They are useful for mixed beds, borders and masses and offered at very moderate prices for that purpose. These are first size bulbs; where wanted by mail add for postage at zone rates, 100 bulbs packed, 6 lbs.

Price, doz., 45c, postpaid; by express, not prepaid, 50 for $1.50; 100 for $2.75; 250 for $6.50; 500 for $12.00; per 1,000, $24.00.

A SEEDSMAN'S ideal of service is to supply his customers with seeds or bulbs of the highest quality, grown on his own land, where every stage of production and distribution is under his direct control. Such goods he may offer with supreme confidence that their use will result in satisfaction.

This confidence is ours in the case of gladioli. America leads in the development and production of this wonderful flower, and we are among the largest American gladiolus growers. On our Michigan and Illinois farms, conditions peculiarly favorable to the development of gladiolus bulbs of the largest size and greatest vitality exist. Combined with favorable conditions, is a growing technique developed through years of experience.

One of the first American seedsmen to recognize the possibilities of development of the gladiolus was Mr. J. C. Vaughan, and his name has been constantly identified with the remarkable development of this flower.

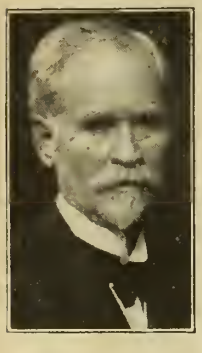
A 50-acre field of Gladioli in blossom at Vaughan's Farm, Ovid, Mich.

The Gadiolus Princeps, Dr. W. Van Fleet's epochal forerunner of the giant types, was one of his early introductions. Our collection of named varieties has been built up by adding all American or foreign introductions of distinct merit, to those originated by ourselves. See page 77 and following for the complete list.

The most exacting buyers of bulbs are florists, who grow them, and demand not only bulbs sure to produce flowers, but varieties for which the highest prices can be obtained in the cut flower markets. Most of our bulbs are sold to florists, and all are grown to comply with the specifications of these exacting buyers.

In addition to varieties of established merit, we grow each year hundreds of seedlings in the hope that some will show the qualities demanded of a Vaughan introduction. Of the many tried few are chosen, but a goodly number of the best American varieties have been introduced by Vaughan. See page 76 for illlustrations of this year's novelties.

What is New for the Garden of 1923



J. C. VAUGHAN

THE increasing success of our American breeders of flowers enables us to offer you this year an unusual number of attractive novelties.

Among Asters the new California Giants claim first attention. Their long stems and robust growth equal the American Beauty type, and they have the much desired ostrich-feather flower. We offer them to you in three colors; namely: Peachblossom, Light Blue and Dark Purple. You will find them as gorgeous and showy as fine roses although inexpensive and easy to grow.

The Coxcomb is offered in new forms greatly increasing the decorative possibilities of this easily grown flower. The Parrot's Feather type produces floral plumes as fine as the best of ostrich feathers, while the Celosia Chrysantheflora, growing compact round heads in many attractive colors, is a welcome addition for winter bouquets, as the flowers maintain their color when dried.

Flower seed novelties will be found beginning page 45.

In Cosmos, good progress has been made in selecting early strains of the anemone and double flowering types, advancing this graceful flower to a place of greater importance in the border. The Early Harbinger mixture, which for the first time made the colors formerly only found in the finest late strains available in early blooms, will be appreciated where early frosts are common. They flower from July with increasing brilliancy until frost.

In Zinnias we offer for the first time named varieties of the dahlia flowered type in seven colors. These are wonderfully brilliant and attractive. All gardeners who work out color schemes with these boldly effective flowers will welcome these new selections.

Many other flower novelties, including several new petunias, are offered on succeeding pages.

Among our gladiolus introductions for 1923 is a giant purple, which created much comment at the exhibition of the American Gladiolus Society in Kalamazoo, Mich., last summer, where it was shown not for competition. Mrs. Francis King of Alma, Mich., whose opinion is authoritative on garden subjects throughout the world, saw and admired it, and requested the privilege of naming it. This was gladly accorded and Mrs. King christened it "Sovereign," the fitness of which is instantly recognized by all who see its stately splendor and royal hue. A limited number of bulbs are offered this year. Our gladiolus novelties are described on pages 75 and 76.

New vegetables especially worthy of attention from both the home gardener and commercial growers are described on pages 2 and 3. For the two new squashes, "Kitchenette" and "Table Queen," we claim the highest possible quality. Their sweetness and table adaptability will win new friends for this delicacy.

Antvorskov or King of Denmark is a spinach which refuses to run to seed.

Vaughan's Chinese Cabbage—Pe Tsai, imported especially by us from the best Chinese growers, is the finest of fall salads.

Milwaukee Market Muskmelon, a large fruit of supersweetness, is winning favor in every large city in the Middle West. Local melon growers, who have to compete with far western and southern melon shippers, will have no sales trouble when they offer this variety in their home markets.

Front Cover Collection

STOCK FLOWERED (ANNUAL) LARKSPURS

One packet each, White, Flesh, Rose, Lilac, Sky-Blue, Dark Blue, Lustrous Carmine, for **50c.**

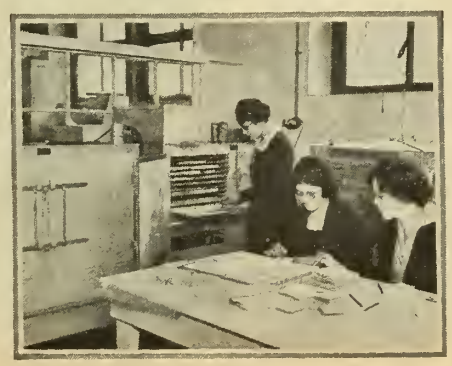
Back Cover Vegetable Collection

One packet each of The Vaughan Cucumber, Milwaukee Market Melon, Bantam Evergreen Sweet Corn and Avon Early Tomato, all illustrated in color on our back cover. 4 packets, postpaid, **40c**; regular price, 55c.

The Vaughan Cucumber is an introduction of unusual merit, which every home gardener who desires the utmost in table quality must have. Although introduced by us four years ago, its true merit is just becoming known, and we predict its use in every American garden within five years.

We wish to emphasize especially the Washington disease resistant strain of asparagus, demand for which last season exhausted our supply long before the season was over, and Vaughan's Extra Early selection of Copenhagen Market Cabbage.

Chicago Retail Store
10-12 W. Randolph St.



To new customers we wish to repeat briefly a story which our old ones know—the history of this house and its ideals, so that you may feel confident that in sending us your seed order, you will get the best seeds that can be purchased and the best service that can be given. In addition, we urge you to inquire of anyone who has ever bought our goods as to their quality and value.

A Great and Growing Business

FOR forty-six years a leader in the seed trade of America, the position of Vaughan's Seed Store as a house of the first rank, is undisputed. At the time this is written, the company's founder, John Charles Vaughan, is actively directing the business he began in 1876. He has been prominent in the allied horticultural trades of this country throughout his career. He has served as president of the American Seed Trade Association and the Society of American Florists. Leonard H. Vaughan, vice-president, directs the vegetable seed department, and supervises testing work, trial grounds and experiments in breeding and selection. Carl Cropp, treasurer, is a specialist with life-long experience in annual and perennial flower seeds.

The very first vegetable seeds sold by Mr. J. C. Vaughan were provided at the urgent request of satisfied customer friends, buyers of fruit and shade trees. These worthy gardeners had been sadly disappointed at the poor crops harvested from commission box seeds at that time, 1875, and urged that Mr. Vaughan provide them seeds dependable in vitality, type and productiveness. The good results from seed thus provided secured these customers and came yearly many more, until the larger part of the gardening fields were sown with Vaughan's seeds. From 1885, the Vaughan's catalogues were distributed annually to many thousands of home gardeners throughout the Middle West.

Our flower illustrations in full color now number 74.

The critical inspection and requirement that all seeds be true to type and of highest germination had laid a broad foundation for the building of a business.

In 1901, with the growth of the business from a volume of a few thousand dollars yearly to several hundred thousand, it seemed wisest to incorporate the business so that trained employees could be made part owners, and the officials then chosen still remain in charge of its affairs. From this date the annual volume has increased steadily, passing several years ago a million dollar annual turnover.

During these years, through technical improvements in testing seeds and proving types, higher purity and germination standards have been established and with them Vaughan's Seed Store, through its officials and employees, has constantly kept pace.

To the left is a view of our laboratory, where all seeds are analyzed for purity and tested for germination.

New York Retail Store
41-43 Barclay Street

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Vaughan's Vegetable Seed Novelties

ON this page and the next are listed those varieties of particular merit, new or improved strains, to which we desire to call especial attention this year. They are all thoroughly tried and proven. The following items are listed in our catalogue for the first time this year—Squash "Kitchenette," Squash "Table Queen," Tomato "Hudson Valley Maid."

Copenhagen Market Cabbage

VAUGHAN'S RE-SELECTED EXTRA EARLY. Last year we offered this re-selected strain for the first time. Those customers of ours who tried it have been very flattering in their praise of this Extra Early Copenhagen. In our own trial in comparison with fifteen other strains of Copenhagen purchased from many sources. Vaughan's Re-selected was much earlier, more uniform and had fewer outside leaves than any other. Truck gardeners report their crop from this strain entirely marketed before other Copenhagen was ready to cut. We regret a very short crop this year so we can offer by the ounce only. This strain is the result of years of work by a European breeder who, we believe, first bred and produced this cabbage. We expect to be able to offer in quantity another season.

Pkt., 15c; ½ oz., 60c; oz., $1.00.

For a description of the Standard Copenhagen Market Cabbage see under "Cabbage" on page 12 of this catalogue.

Cabbage Disease (Yellows) Resistant

VARIETY "ALL SEASONS". The loss and destruction of large acreages of cabbage by the disease called "Yellows" in the commercial growing sections of Southern Wisconsin caused an investigation by the Plant Pathologists of the University of Wisconsin. Prof. L. R. Jones of that university, has solved the problem of this evil by selecting and breeding yellows disease-proof varieties of cabbage which are practically immune from attacks, but no claim is made for freedom or immunity from other diseases, such as club foot, stem rot or black rot. Remarkable success has followed the introduction of these varieties in diseased sections. Large crops have been produced from disease-resistant seed where other varieties have partially or entirely failed.

Variety "All Season" is a yellows-resistant "Kraut" or early sort. It was used extensively last year by many of the larger kraut-growers with uniform success. Our seed is yearling stock, tested, and known to be yellows-resistant. Limited supply.

Pkt., 15c; ½ oz., 50c; oz., 85c; ¼ lb., $3.00; lb., $11.00.

VARIETY WISCONSIN NO. 8.—Almost a crop failure. A late winter-keeping cabbage resembling the Hollander variety. Pkt., 25c; ½ oz., $1.00.

Celery Emperor (New)

A QUALITY VARIETY. Almost in a class by itself for flavor and brittleness. It is dwarf in type (hence easier to blanch than earlier kinds) second early and a good winter keeper. The stems are round (not moon-shaped) a distinguishing characteric. Bred especially for freedom from hollow stalks. If you grow celery be sure and plant this for quality.

Pkt., 15c; ½ oz., 50c; oz., 85c; ¼ lb., $3.00; lb., $10.00.

Celery Cabbage or Chinese Pe Tsai

THE VAUGHAN STRAIN. This exceptionally fine vegetable is rapidly growing in public favor. Its growth resembles the Cos lettuce, but the outer leaves have the general texture of ordinary cabbage. When the outside leaves are stripped away the cabbage presents a well nigh irresistable appearance. Our strain of this seed is grown in China by a specialist whose family have raised and selected this particular type for many years. Note the compact, tightly folded leaves in our illustration and their beautiful white crispness. The heads blanch without tying. July is the proper planting time.

THE CHINESE PE TSAI
THE VAUGHAN STRAIN

"A Salad Vegetable" is David Fairchild's estimate of Pe Tsai in a recent Journal of Heredity. As palatable as lettuce, keeps better, equal in food value and can be grown at half the cost of lettuce. Boiled like cabbage it is of equal flavor, without offensive odor and many people who cannot eat or do not like cabbage enthuse over Pe Tsai.

The Vaughan strain Pe Tsai in our trials has been much superior to anything we have tried or seen. Practically every large commercial grower who markets this vegetable is to-day using our strain. Pkt., 10c; ½ oz., 30c; oz., 50c; 2 oz., 95c; ¼ lb., $1.60; lb., $5.50.

New Long Standing Spinach Antvorskov

DANISH KING OR KING OF DENMARK. This variety has certainly filled a long-felt want in the Spinach line. In the early summer when all other sorts have run to seed it retains its dwarf habit and good eating qualities for a long time. A number of seedsmen have found fault with the original Danish name "Antvorskov" under which we first catalogued the variety in America. They like "Danish King or King of Denmark" better. Regardless of the name, people who like Spinach should plant this sort. It forms quite large tufts or rosettes compact and low. The numerous leaves are extra large, broad and rounded, exceedingly bush, slightly crumpled and of glossy dark green color. It is a vigorous and rapid grower. It is ready for use practically as early as any Spinach and remains in condition much longer. The seed is round.

Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., $1.00.

COPENHAGEN
MARKET CABBAGE

New Giant Rust-Proof Asparagus "Washington"

The result of many years' work in plant breeding conducted under the direction of the Bureau of Plant Industry of the United States Department of Agriculture. The breeders' endeavor has been to produce a heavy-yielding pedigreed rust-resistant strain. The Asparagus plant is dioecious, that is, there are male and female plants and the two parents are required for seed production. A prepotent male plant, "Washington," with a remarkable power for transmitting vigor and rust-resistance to the progeny has been the male parent in the strain we are now offering. Numerous carefully-selected female plants have been used for the seed production. The Washington stock strain we offer has been produced from seed of the most uniform rust-resistant, highest yielding, largest in size, and quickest-growing plants in the original selections. Our growers who have tried this the past two seasons are highly enthusiastic. Grown from seed direct from the United States Department of Agriculture. Limited amounts only.

WASHINGTON STOCK—Pkt., 20c; oz., 45c; ¼ lb., $1.40; lb., $5.00.

ROOTS—1-year old, 50c doz.; $3.25; per 100, postpaid; $3.00 per 100 not prepaid. 2-year-old. 75c doz.; $4.75 per 100, postpaid; $4.50 per 100, not prepaid.

We offer limited quantity only of the Mary and Martha Washington strain where selected female plants were used.

MARTHA WASHINGTON STOCK — Very rust-resistant. Pkt., 25c oz., 65c; ¼ lb., $2.00; lb., $7.50.

MARY WASHINGTON STOCK—Extra large and strong grown. Pkt., 30c; oz., 85c; ¼ lb., $2.75; lb., $10.00.

THE LONG STANDING SPINACH "ANTVORSKOV"

Vaughan's Vegetable Seed Novelties

NEW SQUASH "TABLE QUEEN"

New Tomato "Avon." A red tomato equally as early as Earliana and a much longer and heavier yielder. The fruits are large, round or slightly flattened, deep scarlet-red color smooth, free from cracks and of best eating quality. A good sort for market and early home garden use. (See back cover illustration.)
Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., $2.75.

New Tomato "Gulf State Market." A new Tomato developed particularly for the Southern and California trucker. It is a purple tomato developed from the "Early Detroit" and is as early as the older sort. The vines are wonderfully vigorous and withstand the blight well. The fruits are of good size, smooth, free from cracks, with little depression at the stem. The deep purple-pink color ripens well about the stem. The round or globe-shaped fruits are excellent for packing and the firm skin and solid meat hold up under shipping. Market gardeners should not miss this. In our trials it appeared the most attractive of the purple sorts for home garden use.
Pkt., 25c; ½ oz., 85c; oz., $1.50.

New Watermelon, "Irish Grey" A high quality, good shipping new watermelon from the south. It is of the popular long shape and has a distinct color—a mottled greenish grey. The rind is thin and very tough. As a shipper it is equal to the Tom Watson. Quality is the very highest, sweet, flesh red and crisp (free from stringiness). The plants are vigorous and bear much longer than other sorts, producing fruits when other varieties have died out.
Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25; 5 lbs., $5.00.

New Squash Table Queen, "Des Moines." A comparatively new variety, which has attained great popularity in Iowa and Minnesota the last two years. Market gardeners have found it their best seller. The enthusiasm of customers entitles it to the place among Squashes accorded to "Golden Bantam" in Sweet Corn. In size Table Queen equals a fair sized husked coconut and a half, baked, serves one person amply. This avoids the waste often resulting from the use of larger varieties. The shell is unusually thin and it does not require over twenty minutes for baking or boiling. A good way to prepare is to cut in half, place a lump of butter in one half, top with the other and then bake whole. This Squash is ready before the Hubbards and yet stores equally well. The color is dark green changing to bright golden after picking and storing. The meat is dry and mealy. It yields enormously; a few hills furnishing an ample supply for a good sized family.
Pkt. 10c; oz., 25c; ¼ lb., 75c.

New Squash "Kitchenette" (Hubbard). A small edition of the Hubbard Squash developed by inbreeding and introduced by the Minnesota Experiment Station. It was named "Kitchenette" because it is the smallest Hubbard. The squash average about 5 pounds. They run uniform in size and appearance. They are a glossy dark green, fully equal to any Hubbard for quality and keep as well in storage. In season they are two weeks earlier than the Hubbards and still yield in gross tonnage as well as the older varieties. There are many points of value in a small squash especially for the small home garden. Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., $3.00.

NEW SQUASH "KITCHENETTE"

NEW TOMATO "HUDSON VALLEY MAID"

Tomato "Hudson Valley Maid." A new potato leaved variety we believe of considerable merit. This sort was first called to our attention a couple of years ago by Mr. Ackerman of Ulster Park, New York, from whom we have purchased the entire stock. In trial it showed up remarkably well during a dry off season, the potato leaved sorts seeming to possess a hardiness that few of the ordinary leaved sorts have. We sent out quite a number of free packets to our customers for trial the past season and we have been surprised over the number of enthusiastic testimonials received. It is the first globe-shaped potato leaved variety. Second in season, of good size, smooth and bright red, an extraordinarily attractive fruit. The set is enormous and in tonnage will compare favorably with any main crop sort. For a home garden in the north central states we are sure the "Hudson Valley Maid" has unusual merit. Pkt., 15c; ½ oz., 50c.

New Pea "Eight Weeks." A majority of the gardeners both home and market, are now favoring the dwarf peas—their small vines require no brushing or poles and permit planting between other crops like tomatoes, thus conserving space. In yield, too, they average well, only slightly less than the heaviest yielding taller sorts. "Eight Weeks" is one of the very shortest vined peas, growing only 8 to 10 inches in height. The quality is excellent. Season earlier than "Nott's Excelsior" or "American Wonder" and just as heavy a yielder. An ideal early kitchen garden sort. The garden affords no greater "luxury" than the first early fresh green peas right from the vine.
Pkt., 15c; lb., 40c; 2 lbs., 70c; 10 lbs., $3.10.

Vaughan's Special

We use this sign to indicate sorts which we grow ourselves or stocks which we control absolutely.
THERE ARE NONE BETTER

"EIGHT WEEKS" PEA

Seeds for Golfing Greens and Turfs

FROM the beginning of golfing in America Vaughan's Seed Store has consistently advised greens committees that success with turf production was only to be obtained by the use of pure seed, of tested germination, of the recognized American and European varieties and not through the virtue of any secret mixtures of magic potency.

This view has been generally adopted by green committees in the last two years and to all seeking dependable seed of the varieties which scientific test has proved are best for greens production, our house is a tried and proven source of supply. We are prepared to supply with larger lots of seed a certificate of purity and germination from our seed laboratory which is directed by one of the best-known analysts in the country, who was trained in the Department of Agriculture, and is in close touch with all developments in the department's greens investigation. We will also gladly advise committees as to the best methods of success under given conditions.

Kentucky Blue Grass and Red Top seed are now conceded to be the dependable grasses for fairways, with the deep-rooting and creeping bents and fescues for putting greens.

For spring sowing we shall have this year, in limited quantities the old European favorites: Red Fescue, European Mixed Bent (Creeping Bent) and Chewing's Fescue to offer. We quote special prices to golf clubs based on quanties desired and are pleased to quote by sample with analysis of purity and germination. (See pages 100 and 101 for our list of grass varieties).

We are conducting our own experiments in the vegetative reproduction of Bent and Fescue cultures and shall be ready, when this method reaches the commercial stage, to supply stolons for both greens and lawns.

Putting Green Grasses

There has been a gradual drawing away from the old idea of mixtures for putting greens. Years of study on the peculiar nature of the turf required for greens has shown it advantageous to use the grasses unmixed for the particular type of turf. We suggest the following: Chewing's Fesque, Red Fescue, European mixed Bent and Rhode Island Bent. The latter two can be mixed with Red Top because they are of the same species. This reduces the cost which is so very high on bents due to the very limited quantities obtainable. For prices of special grasses see pages 100 and 101.

Fairway Mixture

For fairways we recommend a simple but very well-proportioned mixture of Kentucky Blue Grass and Red Top which gives excellent results and if properly cared for improves with age. **Price, 1 lb., 40c; 5 lbs., $1.75; 50 lbs., $15.50; 100 lbs., $30.00.** Sow 100 to 150 lbs. to the acre. **Special prices quoted on large quantities.**

Vaughan's Tennis Court Mixture

Undoubtedly the best there is, not only for Tennis Courts, but for cricket grounds, Bowling Greens, etc. Sow 50 to 60 lbs. per acre for new greens; 15 to 20 lbs. to improve existing turf. **Price, 1 lb., 45c; 5 lbs., $2.00; 50 lbs., $18.00; 100 lbs., $35.00.**

Vaughan's Central Park Lawn Seed

LAWN-MAKING is the most widespread form of gardening. A good lawn is desired as the first step toward adornment of the home grounds, even though improvement goes no further. American climatic conditions are not the most favorable or grass seed germination and success requires the observance of certain fundamentals. Without them a good part of the seed is likely to be wasted, and lack of success is often attributed to the seed, whereas it was due to conditions which made germination impossible.

Pure seed of high germination is the first essential and this we provide. Our lawn mixtures are cleaned and re-cleaned. Then our seeds are tested for germination to insure that they have in them the power to grow. Our blends for various purposes are composed of several grasses, each of which has a purpose; some to make a quick show, some to make a quick turf the first summer, a little clover to help enrich the soil and fill in bare spots and always Kentucky Blue Grass of the finest quality to take hold in its own way, to spread and finally to dominate in the permanent turf. Recent scientific investigation has confirmed what our experience of 40 years had taught us were the best grasses for American lawns, and the best methods of sowing them.

Pure seed such as we sell goes twice as far as the adulterated mixtures generally obtainable at bargain prices; and our seed should be mixed with sand when sown to help scatter it, and every purchaser should carefully observe the following points to insure that the seed has a fair chance:

Loosen the soil in which a new lawn is to be made to a depth of at least five inches, and lighten it with humus or several inches of sand, compost, manure or wood ashes if it is heavy and inclined to bake. Apply fertilizer liberally, either sheep manure, bone meal or a commercial fertilizer.

Sow in the early spring when cool weather and ample rainfall will insure complete germination and a good start for the seedlings before hot dry weather comes. If seeding must be delayed, special precautions must be taken to prevent the ground drying out. Early fall is a very desirable time to plant.

See that the seed is well covered. Rake it into a new seed bed and roll so that the soil is firmed over the seed. Where seed is sown on an old lawn always cover it with a top dressing of sand or soil and fertilizer. Seed thrown on the top of hard ground has no chance to grow and will merely wash off.

QUANTITY TO USE—On new lawns, use 1 lb. for 300 square feet; 5 lbs. for 1,500 square feet; 10 lbs., for 3,000 square feet; 15 lbs. for 4,250 square feet, 25 lbs., for one-fourth acre; 100 lbs. for one acre. To replenish lawns where turf is thin use half quantity.

VAUGHAN'S "CENTRAL PARK"

Vaughan's "Central Park" Lawn Seed is familiarly known everywhere in the United States where lawns are made.

It produces a beautiful and enduring turf without the aid of cheap "quick-showing" grasses, which are only of temporary value.

After many years' trials we have a balanced mixture of American and such European grasses as do best in our climates. We select the finest grades of evident purity and germination.

For more than 40 years it has been standard in America, each year adding to its popularity and increasing sales.

In the great parks and cemeteries, where best results must be had in order to produce beautiful and enduring turf, Vaughan's "Central Park" is used almost exclusively.

Many of the beautiful lawns on the large private estates in New England, Long Island, New Jersey and throughout the middle west, rivaling the famous English lawns, were produced with Vaughan's "Central Park" Lawn Seed.

½ lb., 25c; lb., 45c; 3 lbs., $1.30; 5 lbs., $2.15; 10 lbs., $4.25; 15 lbs., $6.30; 20 lbs., $8.30; 25 lbs., $10.25; 50 lbs., $20.50; 100 lbs., $40.00.

VAUGHAN'S SPECIAL GRASS MIXTURE

Contains a large proportion of the finer, and more expensive grasses, like the Bent Grasses, Red Fescue, Kentucky Blue, etc., in extra heavy samples, making weight 20 lbs per bushel. Produces turf of closest, finest texture. Sow 100 lbs. to acre.

Price, per quart, 60c; bushel of 20 lbs., $10.00.

VAUGHAN'S "COLUMBIAN"

For Shady Lawns or Sandy Soil

On sandy soil in shade, conditions are met with when making a lawn which require the use of a special grass seed mixture.

Vaughan's "Columbian" is an excellent mixture for the uses stated above; its record in public parks, expositions and private grounds everywhere in the United States justifies its use by every one who needs lawn seed for a shady place or for light, sandy soil.

Price, lb., 50c; 5 lbs., $2.40; 10 lbs., $4.75; 15 lbs., $7.00; 20 lbs., $9.25; 25 lbs., $11.50; 50 lbs., $22.75; 100 lbs., $45.00.

Write for special prices on large quantities.

VAUGHAN'S DENSE SHADE MIXTURE

Composed of grasses most suited for growing in heavily shaded situations. **Price, Per lb., 75c; 5 lbs., $3.60; per bu. of 20 lbs., $14.00.**

VAUGHAN'S LAWN-RESTORING GRASS MIXTURE

Takes hold and grows quickly on wornout or burned spots. Sow in very **early Spring,** or late Summer and Fall (end of August to middle of October); also before every Summer rain, on thin places.

Price, per quart, 50c; per bushel of 24 lbs., $11.00.

VAUGHAN'S "QUICK SHOW" GRASS MIXTURE

Has not the permanency of color of our "Chicago Parks," but makes a respectable showing the first season. Sow 100 lbs. to acre. **Price, per lb., 30c; 5 lbs., $1.40; 100 lbs., $25.00.**

KENTUCKY BLUE GRASS

We offer in two grades—**Extra Fancy Seed,** sun-dried, twice re-cleaned. Of very high germination. **1 lb., 50c, 5 lbs., $2.20; 10 lbs., $4.20; 100 lbs. $40.00. Fancy Seed**—Actual weight 21 lbs., per bushel. **1 lb., 40c; 5 lbs., $1.75; 10 lbs., $3.25; 100 lbs., $30.00.**

RED TOP GRASS

Fancy re-cleaned. Solid seed, 32 lbs. to bushel. **1 lb., 35c; 10 lbs., $2.75; 100 lbs., $25.00. Common Unhulled** — Bushel 14 lbs. **1 lb., 25c; 10 lbs., $1.85; 100 lbs., $16.00.**

WHITE CLOVER

Extra fancy seed. **1 lb., 75c; 3 lbs., $2.60; 10 lbs., $7.00.** Add 8 cents per pound for postage, if wanted by mail.

VAUGHAN'S LAWN FERTILIZER

DIRECTIONS: As a top-dressing make first application in early Spring when frost is out of the ground, distribute evenly 25 lbs. fertilizer to every 1,000 square feet of lawn. An equal quantity of sandy loam or good garden soil added to the fertilizer will make distribution easier and will serve to prevent burning. In seeding down new lawn, scatter double the amount, 50 lbs. of fertilizer on every 1,000 square feet; rake in thoroughly, then sow seed.

Price, 5 lbs. 45c; 10 lbs. 85c; 25 lbs. $1.40; 50 lbs. $2.35; 100 lbs. $4.25; 500 lbs., $18.75; 1,000 lbs. $36.00; 2,000 lbs. $68.00.

SPECIAL PREPAID LAWN SEED OFFER

On all orders of Lawn Grass Seed amounting to $2.00 and over, we prepay transportation within 300 miles of Chicago or New York. See other Prepaid Offers on page 120.

Books on Garden Subjects

Prices quoted below include postage, and are subject to change without notice.

Asparagus Culture. F. M. Hexamer. Illustrated. Cloth; 174 pages....$0.90
Asparagus Culture. Barnes & Robinson..... .80
Back Yard Farmer, The. B. J. Willard Bolte. Cloth..... 1.25
Berry Book, The Biggle. Cloth; 126 pages..... .55
Bulbs and Tuberous Rooted Plants. Allen. Cloth..... 2.10
Bulbous Plants for the Garden. Paper..... .30
Bulb Culture. Henderson. 68 pages..... .55
Bulb Garden, Making a. Tabor. Illustrated..... .85
Cabbage and Cauliflower. By Allen. Cloth..... .90
Canning, Every Step in. By Gray. The cold-pack method..... 1.25
Carnation Culture. L. L. Lamborn. Cloth; 175 pages..... 1.60
Carrots and Mangels. Gregory. Paper..... .40
Celery Manual. Vaughan's. Paper..... .50
Chrysanthemum, The. By Arthur Herrington. Cloth; 160 pages..... .90
Commercial Carnation Culture, J. H. Dick. Illustrated. 260 pages, 1.80
Cook Book. Vaughan's Vegetable. Paper, 30c; cloth..... .60
Farm and Garden Rule-Book. Bailey. Very useful for fruit growers, truck gardeners, farmers, florists, etc. Cloth; 587 pages..... 3.25
Fertilizers. By Prof. E. B. Vorhees. Cloth; 335 pages..... 2.50
Fertilizers. Gregory. Paper..... .65
Floriculture. Practical. Henderson. Cloth; 320 pages..... 2.10
Flowers. Messages of, or their Floral Code. Cloth; with colored illustrations..... 1.10
Fumigation Methods. Prof. Johnson. Illustrated. Cloth; 309 pages... 1.75
Fruit Garden. Barry's. Cloth; 505 pages..... 2.25
Fruit Growing, The Principles of. L. H. Bailey. Cloth; 514 pages.... 3.25
Fruit Growing, Amateur. (Small Fruits.) A practical guide for home use and market.....Cloth, 80c; paper, .50
Gardening for Pleasure. Henderson. Cloth; 398 pages..... 2.10
Gardening for Profit. Henderson. Latest edition. Cloth; 369 pages.... 2.10
Garden Guide. Contains 384 pages and has over 275 instructive illustrations. Covers every step from spading the ground to preserving the harvest..... 1.60
Garden Making. By Prof. Bailey. Illustrated. Cloth; 411 pages..... 2.90
Garden for Vegetables, Preparation and Care of a. Compiled by J. D. Brumley and T. G. Grier. This book is particularly adapted to Northern Illinois..... 2.00
Gardening with Brains. By Henry T. Finck. Board; 170 pages..... 2.50
Ginseng, Its Cultivation, Harvesting, Marketing. Cloth; 40 pages.... .95
Gladiolus Book, The. See below..... 1.50
Grape Culturist. Fuller's. Cloth; 150 illustrations..... 2.00
Greenhouse Construction. L. R. Taft. Illustrated. Cloth; 208 pages.. 2.35
Greenhouse Management. L. R. Taft. Illustrated. Cloth; 375 pages.. 2.35
Handbook of Plants. Henderson's. Cloth; 525 pages..... 3.25
Hints and Helps for Young Gardeners. Illustrated. Cloth..... .45
Home Vegetable Garden. Cloth; 105 pages; illustrated; by A. Kruhm 1.50
How to Plan Home Grounds. Parsons. Cloth; 246 pages..... 1.35
Insects and Insecticides. By C. M. Weed. Illustrated. 334 pages..... 1.80
Landscape Gardening. Maynard. Cloth; 338 pages..... 2.50
Landscape Gardening, Practical. By Cridland. Illustrated. Cloth; 276 pages..... 2.50
Landscape Gardening. Prof. Waugh. Illustrated. Cloth; 150 pages... 1.30
Lilies. H. S. Adams..... 1.35
Manual of Gardening. By L. H. Bailey. Illustrated..... 3.25
Manures, Methods of Making. By Bommer. Paper; 83 pages..... .45
Manures, Talks On. By Jas. Harris. Cloth; 366 pages..... 1.90
Milady's House Plants. By F. E. Palmer. Illustrated. Cloth..... 1.10
Mushroom Growing. By B. M. Duggar. Illustrated. Cloth; 250 pp. 2.10
Mushrooms, How to Grow Them. Falconer. Cloth; 160 pages..... 1.70
Mushroom Culture. W. Robinson. Standard English authority..... .75
Nursery Manual, The. By L. H. Bailey. Illustrated. Cloth; 12 mo..... 3.25
New Onion Culture. By Greiner. Cloth; 110 pages..... .90
Onions, Treatise On. By Gregory. Paper; 66 pages..... .40
Peony, The. Illustrated. By C. S. Harrison. Paper; 56 pages..... .50
Perennials, Making a Garden of. Egan. Illustrated..... .85
Plant Breeding. By Bailey..... 3.25
Plant Culture. By Geo. W. Oliver, Propagator in the Bureau of Plant Industry, Dept. of Agriculture. Washington, D.C. 4th edition. 444 pages 3.65
Plant Propagation. Greenhouse and Nursery Practice, Cloth; 322 pages 2.35
Practical Forestry. A. S. Fuller. Illustrated. Cloth..... 2.00
Potato Culture, The A B C of. By A. I. Root. Paper; 285 pages..... .50
Practical Garden Book, The. Hunn & Bailey. Cloth; 250 pages..... 1.90
Pruning Manual, The. By L. H. Bailey. Illustrated. 545 pages..... 3.25
Rhubarb Culture, The New. Morse. A complete guide. Cloth; 130 pp. .80
Rose, The. By H. B Ellwanger. Cloth; 308 pages..... 1.85
Roses. Illustrated. Cloth; 189 pages..... 1.35
Soils. By S. W. Fletcher. Cloth..... 2.10
Spraying of Plants, The. By E. G. Lodeman. Cloth; 399 pages..... 2.50
Strawberry Culturist. Fuller. Illustrated. Cloth..... .50
Sweet Potato Culture. J. Fitz. 86 pages. Cloth..... .90
Tobacco Culture. Paper; 50 pages..... .40
Tomato Culture. A. I. Root. Paper; 150 pages..... .50
Vegetable Gardening, Principles of. L. H. Bailey. New edition. 475 p. 4.25
Vegetable Gardening. Prof. Green. Cloth; 243 pages..... 1.50
Vegetable Garden. Vaughan's. Paper..... .20
Water Gardening. Peter Bisset. Illustrated. 200 pages..... 3.50
Window Flower Garden. Heinrich's. Illustrated. Cloth..... .95
Woman's Hardy Garden, A. Illustrated. Cloth; 205 pages..... 2.50

The Book of Gladiolus

Complete and authoritative work on this most popular flower, clear and concise. Written by Matthew Crawford and Dr. W. Van Fleet. Fully illustrated. 120 pages. Cloth..... $1.50

Gardening Conducted by Practical Gardeners. Issued twice a month. Price, **$2.00 per year.** Send us your subscription. **The best paper for Amateur and Professional Gardeners.**

FARM BOOKS

Alfalfa by F. D. Coburn. Illustrated; cloth; 164 pages.....$0.90
The Book of Alfalfa. F. D. Coburn. The new revised edition, containing 324 pages, fully illustrated..... 3.00
Farm and Garden Rule Book by Bailey; cloth, 587 pages..... 3.25
Irrigation for the Farm, Garden and Orchard by Stewart..... 1.65
Prices include postage.

MATERIALS FOR BASKET WORK

On all following Basketry materials add postage to your order if to go by parcel post.

RAFFIA FIBRE FOR BASKETS, ETC.

The Raffia which we import is the finest grade to be obtained and should not be compared with the cheaper coarse material offered by many and used principally as tying material in gardens and nurseries. Besides the natural shade, we have it in 12 different colors, dark red, Irish green, olive green, pea green, navy blue, seal brown, orange, black, old gold, pink, purple, bright red, a sample of which will be mailed you upon request.

Natural, Best Grade, bunch, about 1½ ozs.....$0.10
" " " per lb..... .50
" " " 5 lb. lots, per lb..... .45
Colored, bunch, about 1 oz..... .10
" per lb..... 1.00
" 5 lb. lots, per lb..... .95
Mixed Colors, bunch, 1½ oz..... .10
" " per lb..... .80
Needles, for Raffia Work, per package..... .25

REEDS

Since the recent awakening to the importance of basketry, Reed has been brought into marked prominence. Like Raffia, it is also a palm, growing to an astonishing height, and found mainly in China and the Philippine Islands. Nos. 1 to 7 are the common sizes, 6 and 7 being used for the coarser work.

Sample card mailed upon request.

	Bunch	½ Lb.	Lb.	5 Lb. Lots Per Lb.
No. 1	$0.15	$0.68	$1.30	$1.25
No. 2	.15	.63	1.20	1.15
No. 3	.15	.58	1.10	1.05
No. 4	.15	.55	1.00	1.00
No. 5	.15	.53	1.00	.95
No. 6	.15	.53	1.00	.95
No. 7	.15	.50	.95	.90
Flat Reed, ¾-inch	.15	.50	95	.90
Split Reed, No. 6	.15	.50	.95	.90

BASKET BOTTOMS

Veneered Basket Bottoms for Reed weaving. Made exceptionally well of 3 and 5 ply panels. Well sanded and holes properly bored to fit uprights.

3-inch Round	$0.07	8x14-inch Oval	$0.32
5-inch "	.10	10x16-inch "	.35
6-inch "	.12	3-inch Square	.07
8-inch "	.16	5-inch "	.10
10-inch "	.22	6-inch "	.12
12-inch "	.25	8-inch "	.20
3x6-inch Oval	.12	10-inch "	.25
6x10-inch "	.25	12-inch "	.30

BASKET BOOKS, Postpaid

Basket Making. Morse. Paper, 32 pages, illustrated. For beginners....$0.25
How to Make Baskets is the title of a very instructive work. By Mary White. Bound in cloth, 194 pages, illustrated..... 1.50
Raffia and Reed Weaving. Knapp. Cloth. 132 pages, illustrated..... .80
More Baskets and How to Make Them. White. 157 pages..... 1.50

Vaughan's Asparagus Seeds and Roots

ASPARAGUS from the home garden is one of the most delicious and earliest of crops. It may be grown in any deep, rich soil, either from seed or from dormant roots.

SEED PLANTING—Asparagus may be raised from seed and a crop obtained in three years. In early Spring sow the seed, after soaking it twenty-four hours in warm water, in drills about one foot apart and one inch deep. The following Spring, select the best of the roots and place in the permanent bed.

ROOT PLANTING—A year may be saved by buying the plants (one year old are greatly to be preferred) and setting them at least two feet apart in the row, and the rows not closer than four feet; see that the roots are well and evenly spread out in planting and that they are not exposed to the air longer than is absolutely necessary, as they deteriorate rapidly.

Washington Rustproof. We are pleased to be able to offer seed of this new American strain of Giant Asparagus. It is the first result of a plant-breeding campaign started by the United States Department of Agriculture to produce a rust-resistant asparagus. Rust-resistant and vigorous plants selected from thousands have been crossed with a single male plant "Washington" and most careful re-selection practiced. Grown in Michigan on our own farms from seed sent us by the U. S. Dept. of Agriculture.

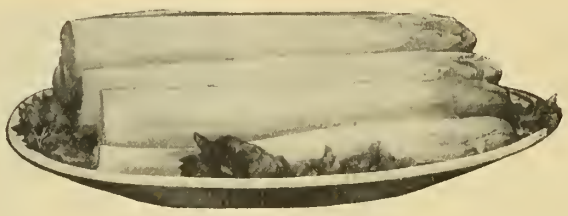
Pkt., 20c; oz., 45c; ¼ lb., $1.40; lb., $5.00.

ROOTS—1-year-old, 50c doz., $3.25 per 100, postpaid; $3.00 per 100, not prepaid. 2-year-old, 75c per doz., $4.75 per 100, postpaid; $4.50 per 100, not prepaid.

Early Giant Argenteuil. Famous Parisian Asparagus. Grows to large size, vigorous and fairly free from rust, superb flavor. Our seed is from one of the largest plantations near Paris. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

Asparagus Roots.

	1-Year Old			2-Years Old		
	Doz.	100	1000	Doz.	100	1000
Bonvallet's Giant		$1.65	$12.00	$0.50	$2.50	$17.00
Barr's Mammoth				.50	2.50	17.00
Argenteuil (Giant)		1.65	12.00	.50	2.50	17.00
Conover's Colossal				.50	2.35	16.00
Columbian Mammoth				.50	2.35	16.00
Palmetto		1.65	12.00	.50	2.35	16.00
If by mail add postage as follows	Doz., 5c; 100, 35c			Doz., 8c; 100, 50c		



BONVALLET'S GIANT

Bonvallet's Giant. Equally good, grown white or green. The white grass is produced by planting deeper than for green, the stalks being cut underneath as the tips show above the ground. Bonvallet's Giant is now planted by the market growers in the Middle West to the exclusion of almost all others on account of its extreme vigor and rust resistance. Pkt., 10c; oz., 15c; ½ lb., 40c; lb., $1.25.

PALMETTO. Standard light green. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c.

COLUMBIAN MAMMOTH WHITE. Large semi-white shoots. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

CONOVER'S COLOSSAL. A large, fast-growing variety. Pkt., 5c, oz., 10c; ¼ lb., 30c; lb., 85c.

Plan your garden early! Perhaps you have a friend who would like to have our catalog. A postal is sufficient.

Artichoke

The Artichoke is grown for its edible blossoms. It is a perennial but requires renewing every two or three years. The Jerusalem Artichoke, so called, belongs to a different family.

GREEN GLOBE. Perennial, large-flowering heads, cooked like Asparagus. Matures second year; not hardy in the north. Pkt., 10c; oz. $1.25.

JERUSALEM ARTICHOKE ROOTS. Best hog food known. Easily grown. Three bushels plant an acre, enough to keep 20 to 30 hogs from October to April. Cut and plant like potatoes. Lb., 35c; 3 lbs., 85c.

Chicago, freight or express: Pk., 85c; bu., $2.50; bbl., (2¾ bu.) $5.50.

New York, by freight or express: Pk., $1.00; bu., $3.00; bbl., (2¾ bu.) $6.50.

Bush Vaughan's Lima Beans Pole

New Wonder Bush Lima. The recognized standard of bush lima bean quality, so considered by critical experts of highest authority. For general purposes Vaughan's Strain of this splendid sort has now come to be used in all gardens where Bush Limas are planted. Plants are large, prolific, compact and long bearing, maturing in mid-season; the pods are very uniform, slightly curved and usually contain three seeds. Vaughan's New Wonder, bred from one of the earliest bush limas, is a greatly improved sort in compactness, little tendency to make runners, and in earliness.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., $3.00.

Fordhook Bush Lima Bean. The highest quality Bush Lima Bean, it is the old "Potato" or "Kummerle" improved. This new sort grows very erect, does not come in contact with the ground as did the older sort, named above; pods are twice the size of the "Kummerle" and contain 4 to 5 large, thick, beautiful green beans. In contrast with the old sort, which was dry and mealy, this new Fordhook is tender, sweet and juicy; a richly palatable bush lima bean. Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., $3.25.

Improved Bush Lima—Burpee's. This improved Burpee's has larger pods and beans than the original. The vines are heavier and produce larger pods than "New Wonder"—and they mature a week earlier. Vaughan's strain of this excellent sort gives the greatest satisfaction to patrons. Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., $3.25.

BUSH LIMA—DREER'S. Dwarf variety of Dreer's Improved Lima does well in dry seasons; pods contain 4 to 5 beans of fine flavor; 150 to 200 pods on a single plant show its prolific growth. Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., $3.25.

NEW WONDER BUSH LIMA

BUSH LIMA—BURPEE'S. Bush 15 to 20 inches high, 24 to 30 inches diameter, large white seeds; thick stems furnish fine support; very productive and splendid quality. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., $3.00.

BUSH LIMA—HENDERSON'S. Crop reliable, very productive, compact form, free from mildew. Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., $2.50.

LIMAS should be planted a little later than the other running beans, in the most favorable location possible, as they are very late in maturing. Always plant with the eye down. They may be sown in hills, or in rows, and allowed to run on chicken wire or strings and thinned to eight or ten inches apart. The Bush Lima is more easily grown than the tall, and is earlier and more economical of space. Many, however, consider the Tall Lima the best-flavored of all beans.

Carpinteria Pole Lima. Many expert growers declare Vaughan's "Carpinteria" is the most "perfect Pole Lima Bean." It is as prolific as any white lima; the vines are strong and vigorous, having many stalwart runners bearing great quantities of elegant pods, each containing usually four big, full, fat, juicy beans of delicate flavor.

Pkg., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., $3.00.

Early Leviathan. Exceptionally early, it equals the main crop varieties for large pods; clusters of 5 to 8 grow together and they are full of fine beans of excellent flavor.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., $2.50.

Siebert's Early Lima. Hardy, early and an enormous producer, a grand variety for northern climates. Pods are dark green, medium long, well filled with 3 or 4 large beans.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., $2.50.

CARPINTERIA—NEW GREEN SEED LIMA

EXTRA EARLY JERSEY LIMA. Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., $2.50.

KING OF THE GARDEN. A climber that blooms and produces to end of season. Uniform pods 5 to 8 inches long, filled with beautiful beans of superior quality. Pkt. 10c; lb., 30c; 2 lbs., 60c; 10 lbs., $2.50.

LARGE LIMA. Very attractive. Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., $2.50.

FORD'S MAMMOTH. Pods grow in large clusters and contain from 5 to 7 good beans; edible, green or dry. Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., $2.50.

CHALLENGER OR DREER'S IMPROVED. Thick pods, good size and flavor. Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., $2.50.

IDEAL POLE LIMA. Excepting only "Carpinteria," this is best for market in Central States and where main crop can mature. Pods are large, some 8 inches long. Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., $2.50.

Vaughan's Stringless Wax Beans

IMPROVED GOLDEN WAX

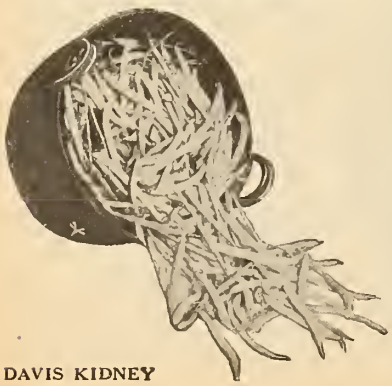
BEANS are very tender. The seeds must be sown where they are to grow when frost has ended and the ground is warm. The bush varieties are much earlier than the pole beans and are usually the main crop in northern gardens, and in home gardens where space is limited. Sow in rows about fifteen inches apart, and thin the plants to about four inches apart in the row. Keep the surface soil soft and the rows free from weeds. Do not cultivate when the plants are in bloom, as it prevents the flowers from setting pods, and cultivating when the vines are wet with dew spreads the anthracnose, the chief disease of beans.

For the Home Garden—We recommend Wardwell's Kidney Wax, Improved Golden Wax and Round Pod Kidney Wax. The home gardener will find his bean crop one of the most productive in food values. If the plants are kept picked clean they will bear a long time and a second crop will come in late summer continuing through the fall. If space is limited, however, it is better to plant for a succession crop, as the first crop is much the heaviest.

Improved Golden Wax. A medium early and heavy cropper, on vines of vigorous bushy growth, a good rust-resister. The pods are golden-yellow, fleshy and solid, brittle, waxy, rextute, excellent for home and market garden. They have an exquisitely rich butter flavor, make fine eating. May be sown any time to early fall with assurance.
Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., $2.25.

Wardwell's Kidney Wax. In western prairie soil this sort is at its best, and gives most gratifying results. The pods are 7 inches long, flat, brittle, stringless, straight, finely shaped beautiful yellow, distinct and attractive; they make delicious eating.
Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.

Round Pod Kidney Wax. Is early, of vigorous growth with heavy yielding vines; pods are long, round and entirely stringless; have fine flavor and are edible to the very tips. One of the best of the round pods.
Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., $2.75.



DAVIS KIDNEY WAX

CURRIE'S GOLDEN WAX. Early, hardy, nearly rust-proof. Long, golden-yellow pods, crisp and tender. The seed is black. The much-planted sort.
Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.

HODSON WAX. The greatest yielder of garden varieties. Season medium early, vines bear a mass of long, straight pods, resembling the Davis Wax.
Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., $2.25.

MICHIGAN WHITE WAX. A white seeded, high quality Golden Wax type.
Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.

Pencil Pod Black Wax. Bushy vines, very prolific, 15 inches high, bear round, thick, stringless, rich yellow pods, 6 to 7 inches long, containing black seed of excellent quality. Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., $2.25.

Davis Kidney Wax. Vines vigorous and very prolific, bear handsome waxy white pods 7 inches long; the finest appearing of all early wax beans. To make this variety entirely rust-proof we select constantly and with great care. The dried beans are kidney-shaped clear white, splendid for baking; but grown for Snap Beans they should be used while young, when free from strings.
Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.

Sure Crop Wax. BLACK SEED—An extra early, perfectly stringless flat Wax Bean. The pods are large and of a golden yellow color, which they assume when still very small. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.

New Kidney Wax. A flat, long-podded, beautiful wax bean, perfectly stringless and of the highest eating quality. Round podded wax beans have generally been regarded as of better quality than the flat sorts; here is a flat podded bean, however, with all that can be desired as regards appearance, tenderness and flavor. In addition to these features the New Kidney Wax is a robust grower and a splendid yielder. Pods 6 to 7 inches long, very thick and meaty. Vines 18 to 20 inches in height.
Pkt., 10c; lb., 35c; 2 lbs., 70c, 10 lbs., $2.75.

NOTICE.—We offer Beans and Peas this year by the pound, instead of pints, etc. 1 lb. is a little more than 1 pint; 2 lbs. is a little more than 1 quart.

Rogueing Beans in Our Michigan Bean Fields

We grow on our farms in Ovid, Mich., beans of the following varieties: Wardwell's Kidney Wax, Improved Golden Wax, Round Pod Kidney Wax and Stringless Green Pod, Improved Red Valentine, Bountiful and Stringless Refugee. We recommend our strains of these varieties as having been grown in a favorable region, with expert care and, therefore, true to type of the highest quality.

Vaughan's Specials

We use this sign to indicate sorts which we grow ourselves or stocks which we control absolutely.

THERE ARE NONE BETTER

CHALLENGE BLACK WAX. Early; pods tender and stringless; seed black.
Pkt., 10c; lb., 30c; 2 lbs.; 60c; 10 lbs., $2.25.

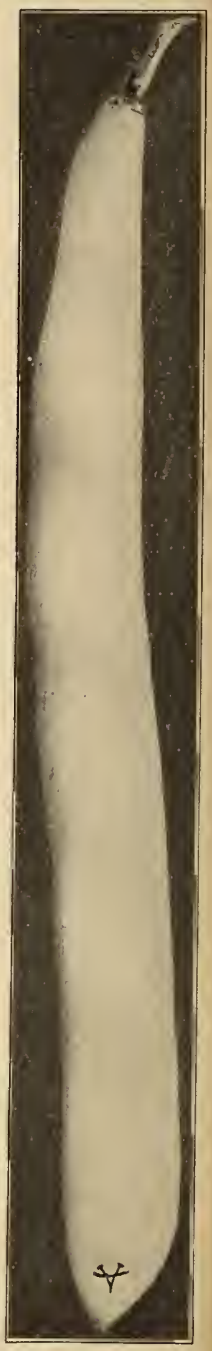
WEBBER WAX. A Bean of the same season and utility as Wardwell's Wax and Davis' Kidney Wax. The pod is long, handsome bright yellow in color. Seed yellow. Hardier and more prolific than Wardwell's.
Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., $2.25.

GOLDEN EYE WAX. Early, large flat pods.
Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., $2.25.

VIOLET FLAGEOLET WAX. Resists rust; pods large, flat yellow.
Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., $2.75.

STRINGLESS REFUGEE WAX. Very productive; pods long, stringless and brittle.
Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., $2.25.

PROLIFIC BLACK WAX. Very early; prolific long pod.
Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., $2.25.



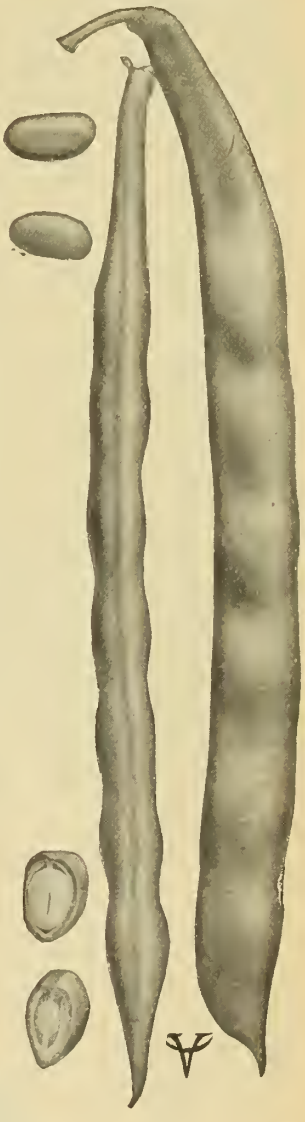
WARDWELL'S WAX

Vaughan's Stringless Green Beans

WHETHER one grows Wax or Green Beans is a matter of taste. Tests have proved, as far as can be, that there is no difference in flavor, nor in tenderness; and they are both grown alike. The round podded varieties are considered to be more brittle, while the flat podded types are better yielders. Bountiful is a flat-podded variety of remarkable yielding qualities, while Stringless Green Pod and Giant Stringless Green Pod are examples of the round-podded type.

For the Home Garden—Bountiful, Stringless Green Pod, Improved Red Valentine and Stringless Refugee, for all of which we can supply seed grown on our own farms in Michigan.

VAUGHAN'S BOUNTIFUL STRINGLESS



Stringless Green Pod. The great leader in green pods for general purposes. It is early, and very prolific, the vines bearing long, round, straight, thick, meaty pods, free from strings or fiber; rich deep green color, very attractive and of excellent quality. For succession, plant every two weeks, until September.
Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.

Bountiful Stringless. This bean has a long flat pod instead of a round pod like the Stringless Green Pod variety. Bountiful has wonderful quality; absolutely stringless, early and prolific. An even surer cropper than the "Stringless."
Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.

Giant Stringless Green Pod. An immense type of "Improved Early Valentine" and nearly as early. The pods have all the excellent qualities of the original with much greater size, which greatly improves the appearance. A splendid succession sort to Stringless Green Pod.
Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.

Improved Early Red Valentine. Is very hardy and early, germinates in cold ground where other sorts would not. Vines are about 15 inches high, yield well; pods are round and fleshy and eaten when young are of good quality; the seed is red spotted.
Pkt., 10c; lb., 30c; 2 lbs., 60c 10 lbs., $2.25.

Longfellow (Round Pod). Very handsome, nearly stringless, beautiful green pods, 7 to 8 inches long, straight and round; very prolific.
Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., $2.25.

Black Valentine. It is not as early as "Improved Red Valentine," the original strain from which this was developed and improved, but it is suited to both early and late planting; its hardiness overcomes light frost. The pods are a third longer than Red Valentine, and grow in clusters perfectly straight and round.
Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.65.

REFUGEE OR 1000 TO 1. A producer of remarkably large crops. Compared with Valentine it is similar in general qualities, with pods a third longer and tapering to a point; they are perfectly round. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.

FULL MEASURE. A new main crop variety of bush beans—a Stringless Round Green Pod Bean. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., $2.75.

OUR FREE DELIVERY—See page 120 explaining FREE DELIVERY to first three postal zones. FOR 5 CENTS PER POUND MORE WE PREPAY TO ALL ZONES.

EXTRA EARLY REFUGEE. Similar to the Refugee; two weeks earlier. Lb., 30c; 2 lbs., 60c; 10 lbs., $2.25.

ENGLISH BROAD WINDSOR. An English Dwarf Bean, eaten shelled, best of class. Lb., 40c; 2 lbs., 75c; 10 lbs., $3.50.

DWARF HORTICULTURAL. Late, heavy yielding. Flat yellow pods spotted with red. Lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.

SUTTON'S MASTERPIECE. The best of the greenhouse forcing beans. The pods are flat like Bountiful but larger and thinner. Early in season and a heavy yielder. Pkt., 15c; lb., 45c; 2 lbs., 80c; 10 lbs., $4.00.

IMPROVED NAVY. Fine field sort. Lb., 15c; 2 lbs., 25c; 10 lbs., $1.25.

WHITE KIDNEY. Shell beans. Lb., 25c; 2 lbs., 50c; 10 lbs., $2.00.

RED KIDNEY. Lb., 25c; 2 lbs., 50c; 10 lbs., $2.00.
Price per packet of above three varieties, 10c.

EARLY ROUND POD SIX WEEKS. Early sort for market. Good yielder. Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., $2.25.

EARLY YELLOW SIX WEEKS. Similar to round sort with flat pods. Pkt., 10c; lb., 30c; 2 lbs. 60c; 10 lbs., $2.25.

TRIUMPH OF THE FRAMES. Small, French bean. Good under glass. Pkt., 15c; lb., 45c; 2 lbs., 80c.

WHITE MARROW. Good shell bean. Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., $2.00.

Don't overlook Vaughan's Cook Book of Vegetables. Free with every $1.50 order for packets and ounces—if asked for on order.

Pole Beans—Green and Wax

POLE varieties are more tender than the bush varieties, and must not be planted until the weather is settled and the ground warm. Set the poles about three to four feet apart, and in each hill plant six to eight beans, thinning when well started to the four strongest.

Kentucky Wonder Wax. The best pole wax bean for northern planting. It is similar in habit of growth to "Kentucky Wonder Green Pod," and bears as early, or when about as high as the average bush bean. Pods are beautiful golden-yellow, and so fleshy that often the thickness surpasses the width; make delicious eating.
Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., $3.25.

Early Golden Cluster Wax. Long, stringless; fine quality; pods in clusters; pure white seeds.
Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., $3.25.

White Creaseback. Early; long, round, green, stringless tender pods; white beans.
Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., $2.75.

Kentucky Wonder or Old Homestead. Green pod. The old reliable Green Pod Pole Bean. The most widely and universally planted of all the pole varieties. The pods are fleshy, saddle-backed, green, 7 to 10 inches long and stringless when young. Kept picked, they bear throughout the season.
Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.

Burger's Stringless Green Pod. Small, white bean; good for baking; long bearing vines.
Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., $2.75.

LAZY WIFE. Good shell beans; long, thick, stringless pods. Crop very short. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.75.

SCARLET RUNNER. Ornamental, bright red flowers. Good snap bean. Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., $3.50.

YARD LONG. Or French Asparagus Bean. New and Rare Foreign Beans—cannot offer this season. Pkt., 15c.

DUTCH CASEKNIFE. Early, long, green, flat pods; white seeds. Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., $2.50.

HORTICULTURAL CRANBERRY. For cool climate; early; flat green pods, spotted seeds; good snap or shell. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.75.

Arcola, Ill.

How soon may I expect to have your Annual Catalogue? I shall be glad to receive it as soon as possible. Other catalogues are beginning to come in, but I have had such fair treatment from you, and your seeds have been so uniformly good that I prefer ordering from you.

Very truly yours, ALBERT W. FLAGGE.

Vaughan's Beets of Select Strains

BEETS should be sown in drills in the garden as soon as the ground can be worked. Each "seed" is really a hard shelled fruit cluster containing two or three small seeds. A moist seed bed is needed and the ground should be firmed well over the seed. Thinning out will be necessary, and the young beets and tops cooked together make one of the best dishes of the season. Thin to 5 inches apart for best results. The turnip varieties are earliest and most popular. The long or blood beets sown in May are harvested in the autumn for winter use. Early varieties sown in midsummer may be harvested in autumn and stored for winter. The home garden is not likely to be attacked by either insects or diseases which will injure beets. Swiss chard is a variety of beet grown for its leaves. See Page 38.

Home Garden Varieties—Crosby's Egyptian or Fireball for the early crop and Detroit Dark Red Turnip for main crop and late crop are recommended to home gardeners as providing the very finest table quality. Swiss Chard should be in every home garden.

Crosby's Egyptian. This is a beet famous both for shape, color and quality. Vaughan's strain, always selected to maintain and improve shape and uniformity, flavor and other excellent qualities, has secured for this variety a wide and growing popularity, based solely on merit. Vaughan's Crosby Beet is very early; has deep red color; is smooth and tender, has sweet flesh that is richly palatable. To retain earliness it should be grown with greatest care—it is worth the attention it demands; market gardeners have proved that Vaughan's Crosby Egyptian Beet is splendid for bunching, attractive in size and excellent in general appearance.

VAUGHAN'S SELECTED STOCK—Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50; by express, 5 lbs., $6.50.

STANDARD STOCK—Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 90c; by express, 5 lbs., $4.00.

Detroit Dark Red Turnip. A main crop variety unequaled as a big cropper everywhere. Vaughan's strain of this perfect turnip-shaped beet produces best quality, biggest crops and most profit for growers. Perfect turnip-shape, small tap root, small upright tops—fine for market bunching. Skin, dark blood-red, flesh, bright red, sweet, tender and delicious. A friend in any garden for home or market.

VAUGHAN'S SELECTED STOCK—Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50; by express, not prepaid, 5 lbs., $6.50.

STANDARD STOCK—Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 90c; by express 5 lbs., $4.00.

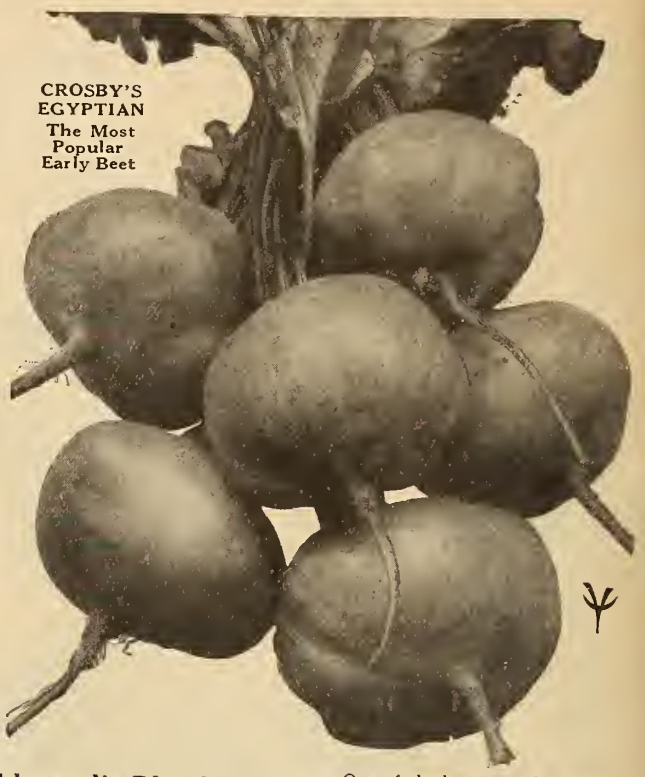
Vaughan's Fire Ball. It has no superior in quality, in some respects no equal; it is a "fancy trade" builder. It is early, maturing with "Crosby's Egyptian," has fine globe shape, deep red color and the flesh is solid and very sweet. The tops are small and do not hasten rapid bunching, but small tops permit closer planting than sorts with larger tops. Vaughan's "Fire Ball" is very handsome and highly satisfactory for home use. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50; 5 lbs., $7.50.

Crimson Globe. Second early main crop. Extensively planted for sceond early and main crop purposes; is medium size, about 10 inches around, globe shape, uniform, without rootlets and perfectly smooth. Foliage is small, rich, purple-bronze color. Flesh is rich blood-red, sweet, tender and never stringy. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., $1.00.

DETROIT DARK RED
Best Main Crop for Home Garden

LONG SMOOTH DARK BLOOD

See Page 43 for Mangels, Stock Beets, (Stock Roots)



CROSBY'S EGYPTIAN
The Most Popular Early Beet

Edmand's Blood Turnip. One of the best, round, well formed, blood-red, very sweet and tender. They do not grow large and coarse and, having small tops, they can be planted close. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., $1.00; by express, 5 lbs., $4.00.

Half-Long Blood. A splendid winter sort, half the length of "Long Smooth Dark Blood," but equally heavy, because thicker. Always smooth, rich dark red; flesh sweet, tender and crisp. Never woody. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., $1.00; by express, 5 lbs., $4.00

Vaughan's Chicago Market. A main crop variety of great merit; is turnip shaped, medium size, tops rather small, and has a fine tap root. The color is perfect dark blood red; the leaves are dark glossy red, almost black; does not soon over-grow when left in the garden and is a fine keeper. For the home garden this is a splendid variety. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

LONG SMOOTH DARK BLOOD. Long, slender roots seldom more than 2 inches through, matures rather late, but is an excellent keeper. Flesh is dark red, sweet and tender. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., $1.00; by express, 5 lbs., $4.00.

DEWING'S EARLY BLOOD TURNIP. Good color, smooth. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c; by express, 5 lbs., $3.50.

IMPROVED EARLY EGYPTIAN. The best variety for forcing and first early crop. Roots very dark red, rounded on top, flat beneath, small tops. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., $1.00; by express, 5 lbs., $4.00.

ECLIPSE. Roots globular, small tap root. Flesh dark red, zones lighter shade, very sweet, crisp and tender, especially when young. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., $1.00; by express, 5 lbs., $4.00.

ELECTRIC. Early as Egyptian, well liked in Eastern markets. Is almost round, leaves small, color very dark rich crimson. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., $1.00; by express, 5 lbs., $4.00.

Vaughan's Selected Stocks of Crosby's Egyptian and Detroit Dark Red Beet are raised in Eastern United States, where color and type are best maintained. Each year we test the previous year's product—to prove and check under field conditions any variation from our ideals.

Radish and Beet trials at our Michigan Farms

Vaughan's Quality Table Carrots

CARROTS are not alone one of the most wholesome of foods, supplying precious vitamines, but when half grown are one of the greatest delicacies possible to place on the table. Persons who say they do not like carrots usually will be found never to have tried them young. The seeds are very slow to germinate and they should be marked in the row with radishes or some other quickly-maturing crop which will be harvested before the carrots crowd. Mellow soil which will not bake over the seeds and will not harden in midsummer is the kind carrots like. Plant in rows 18 to 24 inches apart and thin 3 to 4 inches apart.

Vaughan's Select Danvers. This is a very popular and universally planted carrot. It is two weeks later than Chantenay and the diameter of the root is slightly smaller. It is a half-long type, averaging five and one-half inches in length tapering to a blunt point. The color is a rich, deep orange and the table quality is excellent.

In addition to its splendid edible qualities and fine appearance, its yield is greater per acre than that of any other sort; in size, shape, color, sweetness and flavor, it is ideal.

DANVERS SELECT STOCK—Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00

HALF LONG DANVERS. Standard Stock. Roots more pointed and slightly smaller than Vaughan's Select Danvers.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c; 5 lbs., $3.50.

Vaughan's Chicago Forcing. A FORCING STRAIN. It is similar in shape to "Chantenay," develops much earlier; has smoother roots, fine dark red color; before other sorts, it is a little delicate for market purposes; as a forcing sort, or for open ground as an early in home gardens it is fine. Excellent quality, fine short leaves, no core or heart.

Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00.

Early Chantenay This excellent variety is earlier than Danvers, being ready to use in sixty days after sowing. It is slightly shorter and more stump rooted, averaging 4½ inches in length, tapering slightly from well set shoulders. It is smooth, of a deep orange color, and of high table quality. Home gardeners may grow this for all purposes, allowing the roots to reach full growth for winter storage.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.10; 5 lbs., $4.50.

Improved Long Orange. A well-known sort, roots long, thickest near the crown, tapering regularly to a point, color deep orange. It is a good keeper of fine quality for winter use, and extensively grown for stock feeding.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c; 5 lbs., $4.50.

EARLY CHANTENAY

VAUGHAN'S SELECT DANVERS

Guerande or Oxheart Is a variety of very rapid growth, each attains a weight of more than one pound. It is thick, 5 inches long, has very fine flavor and general good quality and tenderness which make it desirable.

Home and market growers find it the best second early, a little earlier and shorter than the Chantenay, good color.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

OXHEART

NANTES HALF LONG SCARLET. For extra sweetness, this is all by itself. It is of good shape and size. The leaves are fine and the roots almost cylindrical, very smooth and grow about six inches long; the flesh is entirely red and very sweet and almost entirely without a core. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.10; 5 lbs., $5.00.

VERY EARLY SCARLET FORCING.—(French Horn). Best variety for earliest forcing. Redish orange colored roots, nearly round. When matured they are about two inches in diameter. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.25; 5 lbs., $5.50.

EARLY SHORT SCARLET—(Dutch Horn). Larger than French Horn and almost as early, stump rooted, 1½ inches thick, and about three inches long; fine grain; sweet flavored, color deep rich orange, and fine for bunching. Pkt., 5c; oz., 15c; ¼ lb., 35c.; lb., $1.10; 5 lbs., $4.50.

Carrots for Stock

A complete list of Carrots, Beets and Turnips for stock-feeding purposes is given on page 43.

VERY EARLY SCARLET FORCING

Vaughan's Special Strains of Cabbage

EARLY JERSEY WAKEFIELD

VAUGHAN'S SELECTED STOCK

EARLY OBLONG SORTS

THE earliest cabbages may be enjoyed in June from seeds sown in the house or in a hot-bed. Early Jersey Wakefield matures in 90 days, and later varieties in 100 to 115 days. Both early and late varieties should be started indoors, and for fall and winter cabbages the late varieties should be started in a seed bed in May. Savoy cabbages excel in table quality and are recommended for the home garden. Plenty of room should be given plants, at least two feet each way. They need a light and well watered soil, rich in nitrogen. Frequent applications of nitrate of soda or some other nitrogenous fertilizer will work wonders. Cabbage worms may be kept off by dusting with Slug Shot or spraying with Pyrox or arsenate of lead.

Vaughan's Select Early Jersey Wakefield.

This extra early conical-shaped head cabbage is the best early for planting in the United States. Earliness and hard heading in this variety are most important to growers. Early Jersey Wakefield Cabbage is a specialty with us, and to secure the best seed on our growing farms, we spare no expense. We confidently offer the best Early Jersey Wakefield Seed that money can buy anywhere. Successful growers everywhere in the United States plant Vaughan's Seed and get results that spell prosperity. More seed of this sort is planted in the United States than of all other varieties of the same type together The heads are hard, the outside leaves small, so that close planting is possible

Pkt., 10c; oz., 25c; 2 ozs., 45c; ¼ lb., 85c: lb., $3.00.

Charleston Wakefield. This sort matures a few days later than "Early Wakefield," with heads much larger and uniform. Very popular with Southern growers; it does well on heavy soil. Pkt., 10c; oz., 25c. 2 ozs., 45c; ¼ lb., 85c; lb., $3.00.

EARLY WINNIGSTADT—Sure to head, regular, conical shape very hard and hardy, a good keeper winter or summer, one of the best for general use. Best imported seed only. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., $2.50.

EARLIEST ETAMPES—Not quite so hard, but fully as large as Express, which it resembles. Excellent quality. Sold as "Earliest of All," "Wonderful," etc. Buy Vaughan's seed to get best results. Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., $3.00.

EXTRA EARLY EXPRESS—Compact, round thick leaves forming an oval head, remarkably large for size of plant—thicker and less pointed than Jersey Wakefield; matures a short time later. Pkt., 10c; oz., 25c, 2 ozs., 45c; ¼ lb., 85c; lb., $3.00.

EARLY YORK. Heart-shape, small head, firm and tender, may be planted 15 to 18 inches spart. Pkt., 5c, oz., 25c; ¼ lb., 75c; lb., $2.50

Chinese Celery Cabbage or Pe-Tsai.

This new Celery Cabbage has become very popular on the market: it is a delicate and dainty table vegetable either shredded as slaw, cooked as other cabbage or trimmed to be eaten as celery. It should be grown like late cabbage, planting in July, "turnip planting time," earlier planting runs quickly to seed. Sow in drills 16 to 20 inches apart, then thin the seedlings two or three times.

Pkt., 10c; ¼ oz., 30c; oz. 50c. 2 ozs., 95c; ¼ lb., $1.60; lb., $5.50.

Flat and Round Sorts

Vaughan's All Seasons. This special Vaughan's Cabbage, although really an early, is suited to every growing season. Even when planted very late it keeps well, and is of much better quality than the big ribbed winter sorts. The heads are large and solid, leaves small ribbed; matures about same time as "Early Summer" with larger head.

Pkt., 10c; oz., 25c, ¼ lb., 75c; lb., $2.50.

All Head Early or Faultless. Amateur growers who plant only one variety should select this one. This sort matures large, uniform heads of handsome appearance and unsurpassed quality for eating. Vaughan's seed is Long Island grown by the originator.

Pkt., 10c; oz., 25c; ¼ lb., 75c; lb. $2.50.

Early Flat Dutch. Sure solid header, weighs 10 to 12 pounds each head, even size, matures about same time as "Early Summer," a standard Early; it stands long without bursting; as second early it is one of the best.

Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

Early Summer (New York). The heads are round and flattened. A very popular variety for early market; in season it follows right after "Jersey Wakefield." The heads are of fair size, very compact and solid, the quality is good, it has large outer leaves, has an attractive appearance, being tinged with a peculiar shade of blue.

Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

Copenhagen Market. The earliest large round or flat-head sort. The ripening is early and uniform, maturing at one time and almost with Early Jersey Wakefield. Considering its early season, the heads are remarkably large, averaging ten pounds in weight. It has few outer leaves, which permits close planting, and it grows close to the ground on a short stem.

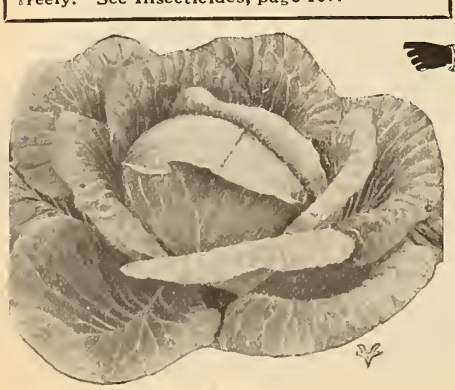
Pkt., 10c; ½ oz., 25c; oz., 40c; 2 ozs., 75; ¼ lb., $1.40; lb., $5.00.

VAUGHAN'S RE-SELECTED EXTRA EARLY (See novelty pages). An extra early re-selected strain. Pkt., 15c; oz., $1.00.

Danish Summer Ballhead. A Second Early of superb quality; resembles "Winter Ballhead," but is smaller and slightly flat on top; the outer leaves are inclined to be curly, the ribs are very fine in the leaves, which are light green in color, and have a delicate flavor suggestive of Savoy cabbage.

Pkt., 10c; oz., 25c; 2 ozs., 45c; ¼ lb., 85c; lb., $3.00

Slug Shot prevents cabbage worms. Use it freely. See Insecticides, page 107.



SUCCESSION

SUCCESSION. Heads are large, slightly flatter than "Early Summer," are two weeks later, but run more uniform; heads are solid, keep well, and have splendid quality. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

FOTTLER'S IMPROVED BRUNSWICK. Comes in much earlier than "Premium Flat Dutch. A dwarf growing sort with very large early heads, and is valuable both as Second Early and for winter use Pkt., oz., 25c; ¼ lb., 75c; lb., $2.50.

GLORY OF ENKHOUSEN. An early, globe shape, medium size sure heading and a splendid keeper. Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., $3.00.

LATE FLAT DUTCH. Smaller than "Premium Flat Dutch," sometimes a little better keeper. Pkt., 5c; oz., 20c; ¼ lb., 65c. lb., $2.25.

EARLY ALL HEAD

Vaughan's Special Strains of Cabbage

MAIN CROP VARIETIES

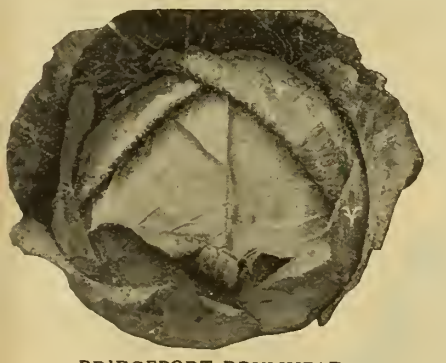
Danish Ballhead, Tall. From Amagar Island, Denmark, comes Vaughan's seed of this most famous and popular of winter cabbages. The seed is grown for us there and we sell it with confidence to our customers, not only because we know it is genuine, but also because we know it is the standard of highest quality and purity. Many trials have demonstrated this to be the best. This is the tall-stemmed strain, different than the short-stemmed "Hollander" or the "Dwarf Amagar," the Danish grown strains of the "Hollander." The tall stem of our Ballhead cabbage distinguishes the strain. Because of perfectly solid head, unequaled keeping and shipping qualities, correct market size, not too large, hard and heavy heads, weighing a fourth more than other sorts of equal size, fine grained leaves which are deliciously tender, this strain has displaced nearly all other winter varieties of cabbage.
VAUGHAN'S SELECTED STOCK. Pkt., 10c; oz., 25c; 2 ozs., 45c; ¼ lb., 85c; lb., $3.00.

Dutch Winter or Hollander. As a "late spring" seller, no other sort stands near this excellent cabbage, of fine quality. The heads are medium size, averaging about 8 pounds, very solid, have a distinct, white color; coming out as fine and as perfectly solid in the spring, as when put away in the fall; its exceptional keeping quality is a notable characteristic.
Pkt., 10c; 1 oz., 25c; 2 ozs., 45c; ¼ lb., 85c; lb., $3.00.
DUTCH WINTER OR HOLLAND STOCK SEED—Pkt., 15c; oz., 40c; 2 oz., 75c; ¼ lb., $1.40; lb., $5.00.

Dwarf Amagar or Short-Stemmed Danish Baldhead. This variety is almost identical with "Dutch Winter or Hollander." We import our seed direct from Amagar Island, Denmark; and we supply one-year-old, proven stock, if wanted.
Pkt., 10c; oz., 25c; 2 oz., 45c; ¼ lb., 85c; lb., $3.00.

Vaughan's Premium Flat Dutch. Of the Flat-head varieties this large heading sort is the most popular; no other cabbage of this class is so universally planted. Seed may be sown in the open ground and plants raised without the use of hot-beds. Our seed produces immense solid heads, uniform, true, and of finest quality.
Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

Bridgeport Drumhead. The best Large Fall Shipping Cabbage in Existence. We introduced this variety over thirty years ago and our strain has been carefully selected every year since. The original type has been kept up and improved to a high degree of perfection. For slicing, for kraut or for general purposes, it has no superior.
Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.



BRIDGEPORT DRUMHEAD

LARGE LATE AMERICAN DRUMHEAD. A selected strain in this Standard Winter Cabbage. Pkt., 5c; oz., 20c; ¼ lb., 70c; lb., $2.25.

IMPROVED STONEMASON. A large solid, late Drumhead—popular in some sections. Pkt., 5c; oz., 20c; ¼ lb., 75c; lb., $2.25.

MARBLEHEAD MAMMOTH DRUMHEAD. Late. About the largest cabbage grown. Pkt., 5c; oz., 20c; ¼ lb., 75c; lb., $2.25.

VAUGHAN'S SURE HEAD. This is a large round flatheaded variety, uniform size and weighing 10 to 15 pounds each head. They are very solid and have fine quality.

Our strain is most popular with market-gardeners and large growers—it is a sure header, in most unfavorable seasons. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

Haco, Earliest Round Red (New). This new sort originated in Denmark, and the seed we offer was grown especially for us by the originator. After extensive field tests we have found it superior to all other varieties of red cabbage in earliness, productiveness and quality. The color is intense dark red throughout, the heads after being trimmed for market, average 3 lbs. each. If you use Red Cabbage try this one.
Pkt., 15c; ½ oz., 50c; oz., 90c; 2 ozs., $1.65; ¼ lb., $3.00.

DANISH RED STONE HEAD. Hard, round, ball-shaped heads, very compact and keep well. In sections where Danish White Cabbages, like 'Ballhead" do well, this will be found very valuable. Pkt., 10c; ½ oz., 25c; oz., 40c; 2 oz., 75c; ¼ lb., $1.40; lb., $5 00.

MAMMOTH ROCK RED. A sure header of good red color to the center. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1 15; lb., $4.00.

ZENITH. A very fine medium early sort. Not large, good quality and fine color. Pkt., 10c; oz., 35c; ¼ lb., $1.15; lb., $4.00.

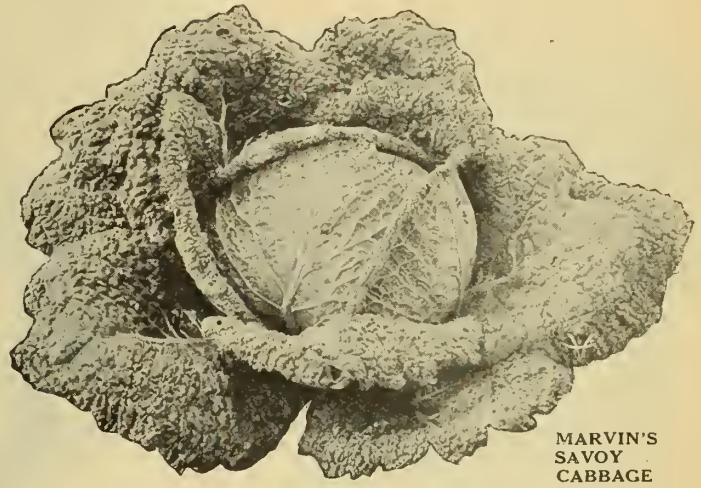
VAUGHAN'S BLACK DIAMOND. A new second season black-red variety. Head medium large, very firm, leaf rib thin and small; few outer leaves. Pkt., 10c; oz., 35c; 2 oz., 70c; ¼ lb., $1.15; lb., $4.00.

EARLY DARK RED ERFURT. Pkt., 10c; oz., 30c; ¼ lb., $1.00; lb., $3.50.

DARK RED DUTCH. Pkt., 10c; oz., 30c; 2 oz., 60c; ¼ lb., $1.00; lb., $3.50.

RED DRUMHEAD. Pkt., 10c; oz., 30c; 2 oz., 60c; ¼ lb., $1.00; lb., $3.50.

Slug Shot is the Surest Death for Cabbage Worms. It Stays on the Leaf. See Page 107.



MARVIN'S SAVOY CABBAGE

SAVOY CABBAGES

IRON HEAD SAVOY. Best of the early sorts. Round head large and solid. Quality excellent. Pkt., 10c; oz., 30c; ¼ lb., $1.00; lb., $3.50.

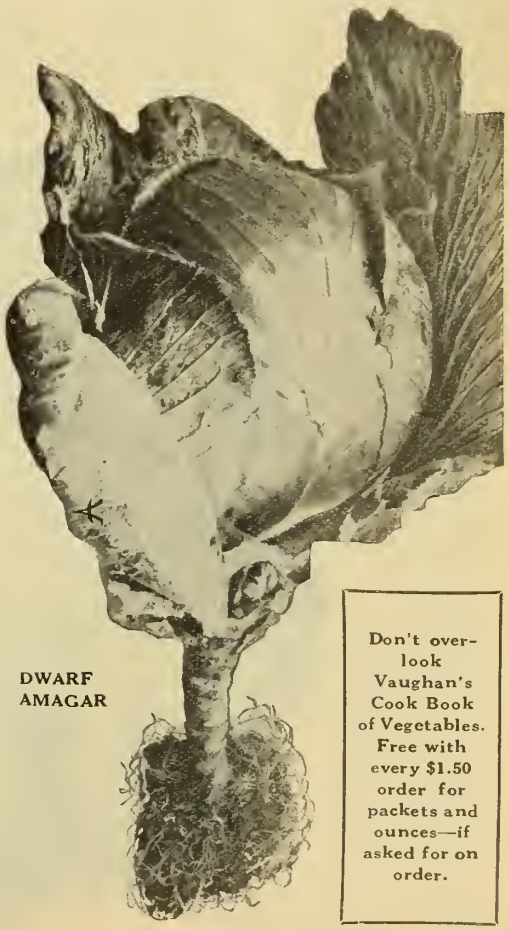
EARLY ULM SAVOY. Very early sort. Pkt., 10c; oz., 25c; ¼ lb., 80c; lb., $2.75.

MARVIN'S SAVOY. A large solid head, very early. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., $1.00; lb., $3.50.

IMPROVED AMERICAN. Standard main crop sort. Pkt., 10c; ¼ oz., 20c; oz., 30c; ¼ lb., $1.00; lb., $3.50.

Yorktown, Heights, N. Y.

Honest dealing, fair prices and good treatment of customers has kept the Vaughan business continually climbing. The seeds which we purchased from Vaughan's Seed Store at different times this year, have all come up and grown splendidly, as they always do. Customers plant Vaughan's seeds with the utmost confidence, knowing that with care and thorough culture, the seeds will always produce a good crop. It is indeed a pleasure to patronize the House of Vaughan. Very truly yours, W. E. VAIL.

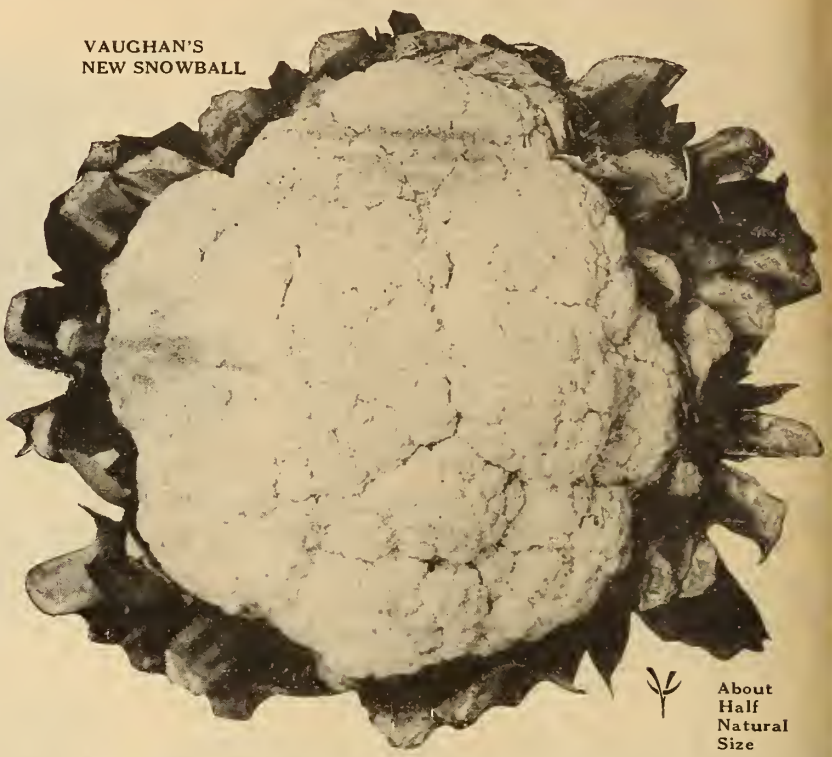


DWARF AMAGAR

Don't overlook Vaughan's Cook Book of Vegetables. Free with every $1.50 order for packets and ounces—if asked for on order.

Vaughan's Quality Cauliflower

CAULIFLOWER is an exacting crop, yet success is easy where the conditions are right. Like radishes, this plant likes to make quick growth in cool weather. The amateur is likely to succeed best with plants matured in the fall. Start the first crop early in the house and transplant into rich, light soil, where plenty of water can be given; then apply regularly nitrate of soda or liquid manure. Cabbage worms may be killed by Slug Shot, Pyrox or arsenate of lead used before the heads begin to form. To bleach the heads tie up the leaves over them.



VAUGHAN'S NEW SNOWBALL

About Half Natural Size

Vaughan's New Snowball. For early out-door planting and forcing Vaughan's "New Snowball" Cauliflower is a strain of exceptional merit and value. In size, compactness and color it is ideal for market; a well grown head will measure 9-10 inches across and have depth in proportion, will be solid, and have a perfectly white core. Its habit is dwarf in growth, with great compactness and very early heading—earlier than any other sort; being dwarf and compact means economy of space when forced in the hot-bed. For wintering over to early spring, for forcing during winter and early spring and for early spring out-door planting, Vaughan's New Snowball Cauliflower is a peerless success. This strain is also extensively planted for late summer and fall market. We therefore commend this cauliflower, with the assurance that it will give satisfaction to those who have not yet tried it as it has to the many who have, amongst whom are hundreds of the most critical market gardeners, who pronounce it the greatest cauliflower success for general use. Plant the best. Pkt., 25c; ¼ oz., 75c; ½ oz., $1.35; oz., $2.50; ¼ lb., $8.50.

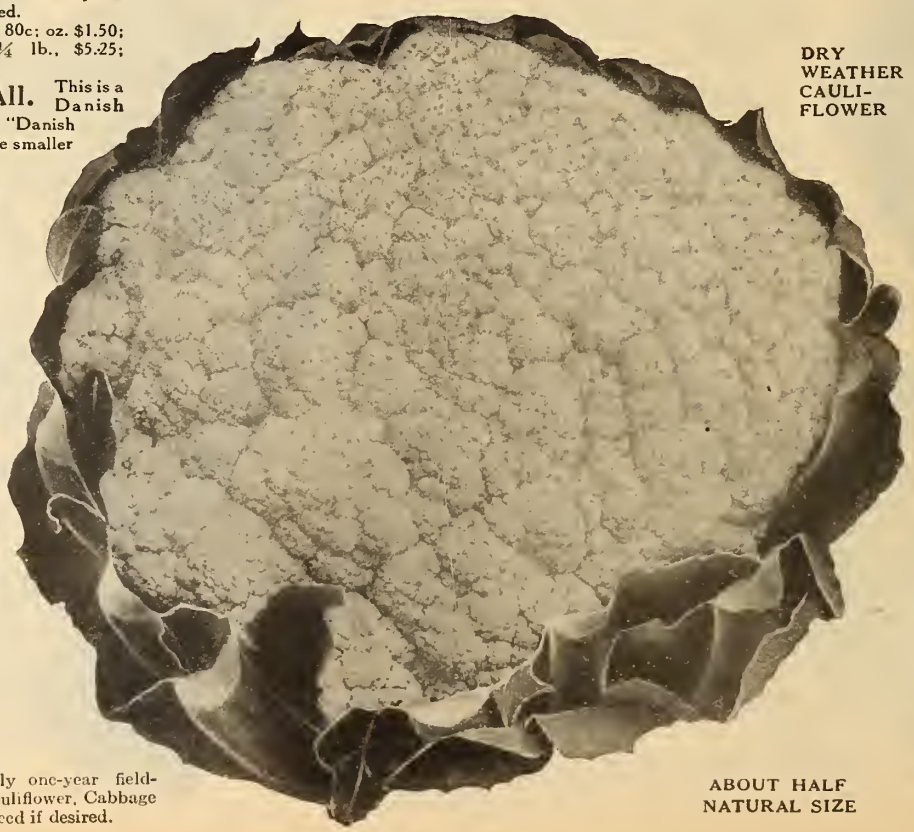
Vaughan's Earliest Dwarf Erfurt. Before the advent of Vaughan's "New Snowball," Earliest Dwarf Erfurt was the standard of early Cauliflowers. In all respects it is similar to Vaughan's New Snowball, but a few days later. Many planters who grow Cauliflower extensively, plant this and Vaughan's Snowball, two varieties that mature in succession. Pkt., 25c; ¼ oz., 75c; ½ oz., $1.35; oz., $2.50; 2 oz., $4.35; ¼ lb., $8.50; lb., $32.00.

Danish Snowball. Later than Vaughan's "New Snowball." A splendid second early; we take great care, and spare no effort to produce seed of this grand Cauliflower, that will give best results. Many of our customers (market growers) plant this sort year after year, and although not so early, nor as even as Vaughan's Snowball, it gives satisfying profit. The best bargain at this price in Cauliflower seed. Pkt., 20c; ½ oz., 80c; oz. $1.50; 2 oz., $2.75; ¼ lb., $5.25; lb., $20.00.

Earliest of All. This is a Danish forcing strain of "Danish Snowball," a little smaller and a week to ten days earlier. It has very short leaves, and has been bred for first forcing under glass and in frames especially; very sure header. Our strain is pedigreed Danish seed. Pkt., 25c; ½ oz., 75c; ½ oz., $1.35; oz., $2.50.

Cauliflower seed does not as a rule germinate as well as other Brassicas like Cabbage and Brussel Sprouts. We take particular care to mill, sift and to clean our seed so as to furnish our customers the highest possible viability from the heaviest plumpest seeds. We can many times supply one-year field-tested stocks of Cauliflower, Cabbage and other critical seed if desired.

Dry Weather Cauliflower. This sort is grown to provide, as far as possible, against hot, dry-weather contingencies of crop failure. Where the more delicately bred varieties would succumb to unfavorable, warm weather conditions, this sort is very desirable; and no large acreage should be planted without giving a place to this. It is a very sure-header, heads larger than Snowball, and is snow-white and second early. Our seed is grown by the originator in Denmark. Plant the best. Pkt., 25c; ¼ oz., 75c; ½ oz., $1.35; oz., $2.50; ¼ lb., $8.50.



DRY WEATHER CAULIFLOWER

ABOUT HALF NATURAL SIZE

AUTUMN GIANT. In Southern localities this meets with favor as a large heading late fall sort. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.75.

EXTRA EARLY PARIS. Very dwarf and early, for summer planting. Pkt., 10c; oz., 85c; ¼ lb. $3.00.

HALF EARLY PARIS. Slightly larger and later than above. Pkt. 10c; oz., 85c; ¼ lb., $3.00.

LENORMAND'S SHORT STEM. Bears large white heads on short stems. Pkt., 10c; oz., 85c; ¼ lb., $3.00.

EXTRA EARLY OR SECOND ERFURT. A very fine strain, producing large, white, firm heads; close and of excellent quality. Dwarf, early, always certain to head, early or late. Later and larger than Earliest Erfurt. Pkt., 15c; ¼ oz., 40c; ½ oz., 75c; oz., $1.45; ¼ lb., $5.00; lb., $20.00.

LARGE EARLY ERFURT. This is a vigorous growing, hardy variety, with large, white, firm heads. It is the very best sort for late spring. Pkt., 15c; ½ oz., 75c; oz., $1.45; ¼ lb., $5.00.

LARGE LATE ALGIERS. A vigorous late-maturing variety for late fall use. Large heads. Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., $2.25.

Broccoli (Winter Cauliflower) Seed, page 16.

Cauliflower Plants, page 95.

Vaughan's Celery

GOLDEN SELF-BLANCHING

EMPEROR CELERY

WHITE PLUME

CELERY is often thought to be difficult to grow. Every home gardener whose soil is sufficiently light and rich to produce good lettuce and cabbages may easily produce a family supply of this most welcome delicacy. Start the seed indoors and set the plants out around the middle of May, 8 inches apart for the early kinds and a foot for the winter varieties. Where the soil is very rich they may be grown closer. Keep them growing and do not work over the plants when they are wet with dew or rain. Vaughan's Celery Seed is of the finest strains in the world and is used by market gardeners selling to the most exacting trade.

For the home garden—We recommend Emperor and Golden Self-Blanching.

Golden Self-Blanching. Vaughan's Selected Stock. The choicest sort of delicious celery; it excels all other yellow varieties. Dwarfer, larger bunches, with broad, heavy stalks, which blanch into a rich, appetizing, golden-yellow, make this the favorite, most popular, golden celery on the market. Though the stalks are broader and heavier than the white varieties, the quality in sweetness, tender crispness, delicious flavor and absence of strings, made it a most delightful table necessity. It is by far the most planted, most desired and used of all high-class celery. When you purchase Vaughan's Seed of Golden Self-Blanching Celery, you secure the very best seed of the very best sort of celery that skillful growing and exceedingly careful selection, cleaning, etc., can produce. Our selected stock is grown for us in France, by the introducers. Large growers plant this; we have been supplying it to them for years—they get satisfying results. We also have critical, experienced growers, producing seed for us in this country from our selected stock; this we sell at a lower price and it gives complete satisfaction.

SELECTED STOCK (FRENCH GROWN)—Pkt., 15c; ½ oz., 50c; oz. 85c; ¼ lb., $2.75; lb., $10.00.

AMERICAN GROWN SEED—Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00 lb., $7.00.

White Plume. Of the white varieties this is recognized the best. Amongst market growers it is popular because it has excellent marketable qualities, with consumers it is a favorite because of its crisp, tender, and altogether desirable eating qualities. Its habit of growing is vigorous, stalks are uniformly white, and large sized; as a seasonable variety it's a money-maker for the market-gardener. We do not recommend it as a keeper, but wholly as a splendid sort in its season, for which it has the highest endorsements of professional growers. For fall and early winter White Plume Celery grown from Vaughan's seed is a trade-building, money-making sort.

SELECTED STOCK—Pkt., 10c; ½ oz., 15c; oz., 30c; 2 oz., 55c; ¼ lb., 80c; lb., $3.00.

Dwarf Golden Heart. Solid, shapely stalks; large heart, which blanches to a beautiful yellow, after storing. Popular in many celery-growing centers. It is a long keeping "Golden Dwarf" of established merit. It is shapely and solid and requires little trimming. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.25.

Giant Pascal. The stalks are very large and solid, crisp and of rich nutty flavor. It blanches very easily and quickly. The heart is golden-yellow and has a very attractive appearance. For Fall and Winter, this is a splendid sort. It is a selection from "Golden Self-Blanching," and possesses many of the qualities of that strain, with the added value of keeping quality. It is certainly one of the best varieties owing to its splendid keeping quality and marketableness.

Pkt., 10c; ½ oz., 15c; oz., 30c; ¼ lb., 80c; lb., $3.00.

Rose Ribbed Self-Blanching. (Golden Rose.) A sort of Golden Self-Blanching possessing all its good qualities. The ribs assume a deep, warm, rosy hue.

Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.40; lb., $5.00.

Emperor (New). A quality variety—almost in a class by itself for flavor and brittleness. It is dwarf in type (hence easier to blanch than taller kinds) second early and a good winter keeper. The stems are round (not moon-shaped), a distinguishing characteristic. Bred especially for freedom from hollow stalks. If you grow celery be sure and plant this for quality. Pkt., 15c; ½ oz., 50c; oz., 85c; ¼ lb., $3.00; lb., $10.00.

Easy Blanching. A recent introduction of merit. It is a vigorous grower, of medium dwarf height, stalks thick, quality excellent. A most desirable variety for the amateur, as it blanches easily and is one of the best keepers. Second early, can be grown for winter and spring use. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.25; lb., $4.50.

WINTER QUEEN. An excellent winter sort with double the amount of heart of any known celery. A beautiful plant of close habit and compact growth; crisp and has delicious nutty flavor; ribs perfectly solid and blanch to a beautiful creamy white. A most valuable variety for winter and spring, excels "Perfection Heartwell" as a late winter keeper, and is much thicker, stouter and heavier. Pkt., 10c; ½ oz., 15c; oz., 25c; 2 oz., 45c; ¼ lb., 75c; lb., $2.50.

CHICAGO GIANT SELF-BLANCHING. A first early celery introduced by Vaughan's Seed Store. Can be sown in February and marketed July 1st, a time of year when fine celery is a table luxury. The whitest early celery, and very sweet, crisp, tender, brittle, with a delicious flavor, giving zest to every bite. It is extremely vigorous in growth, to the extent that its tendency it to throw out a small percentage of off plants. Pkt., 10c; ½ oz., 20c; oz., 35c; 2 oz., 55c; ¼ lb., 90c; lb., $3.50.

GIANT GOLDEN HEART. This for winter storage is the best celery. Enjoys extensive popularity and always has done so since we introduced it years ago. It has unquestioned merit in quality, in flavor, sweetness, attractiveness, and size as well as for keeping. It is a selection of the "Dwarf Golden Heart," but is larger. Pkt., 10c; ½ oz., 15c; oz., 20c; ¼ lb., 60c; lb., $2.00.

COLUMBIA. (New). Season early. Plants are dwarf with heavy thick stalks—easily blanched. Light golden heart of splendid flavor. Pkt. 10c; oz., 50c; 2 oz., 85c; ¼ lb., $1.40; lb., $5.00.

NEW EMPEROR. (New Novelties). A variety of exceptional eating quality—pure dwarf and solid. Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb. $2.75; lb., $10.00.

FRENCH'S SUCCESS. A fine keeping Winter White Celery. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb. $1.40; lb., $5.00.

SOUP CELERY OR SMALLAGE. Green foliage used for soups. Oz., 15c; ¼ lb., 40c; lb., $1.50.

OLD CELERY SEED. Used for flavoring. Oz., 10c; ¼ lb., 20c; lb., 65c.

STANDARD SORTS

Prices of these kinds: Pkt. 10c; ½ oz. 15c; oz., 25c; ¼ lb., 65c; 1 lb., $2.25.

EVANS' TRIUMPH. One of the best late sorts. Excellent quality and good keeper.

PERFECTION HEARTWELL. Magnificent, large, golden-yellow heart, of very superior quality; excellent winter market sort. Popular in New York.

SCHUMACHER. Immense size; solid; crisp; firm golden-yellow heart; a fine keeper; very popular in Philadelphia and New York markets.

SOLID IVORY OR KALAMAZOO. Large and fine; popular in Philadelphia.

BOSTON MARKET. White and solid; very dwarf; crisp and tender

Vaughan's Miscellaneous Vegetables

BRUSSELS SPROUTS

BORECOLE—See Kale, p. 17.

BRUSSELS SPROUTS

Brussels Sprouts are miniature cabbages formed on a plant stalk. The delicate flavor is improved by a touch of frost. The culture is practically the same as for cabbage. For late use sow seed in June.

IMPROVED DANISH. Hardy and a heavy yielder. A fine variety originated and grown in Denmark. **Pkt. 10c; oz. 25c; ¼ lb., 85c.**

PARIS MARKET. Half dwarf, excellent yielder. **Pkt., 10c; oz., 20c; ¼ lb., 60c; lb. $2.00.**

IMPROVED DWARF. Dwarf habit and less liable to aphis than others. **Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00.**

BROCCOLI

A vegetable similar to Cauliflower, of less delicate flavor, but hardier. Of value in northern latitudes, where Cauliflower does not do well.

Large White Mammoth. Good white heads. **Pkt. 10c; ½ oz. 35c; oz. 60c.**

Purple Cape — This has purplish heads and resembles the Algiers Cauliflower in habit of growth. **Pkt., 10c; ½ oz., 30c; oz., 50c.**

WITLOOF CHICORY

CELERIAC—Turnip Rooted Celery

This vegetable deserves much wider cultivation, it has real merit. Cooked and prepared as a salad it is very desirable; it has a rich, meaty, distinct celery flavor. It may also be cooked as are turnips and parsnips. People who like celery flavor will approve **Celeriac.** The roots keep well in winter—recipes for preparing enclosed with seed.

NEW CELERIAC, "DELICATESSE." Roots are oval, perfectly smooth; no side roots—never rusts. Flesh is pure white, tender, and of general exeellent quality; this kind does well on light soils. **Pkt., 15c; ½ oz., 35c; oz., 60c.**

EARLIEST OF ALL. Ready in June; pure white flesh, very tender. **Pkt., 15c; ½ oz., 35c; oz., 60c.**

LARGE SMOOTH PRAGUE. Excels in quality, size and appearanee. Not like eommon sorts, which are often crooked and have a lot of useless roots. **Large Smooth Prague Celeriac** is the **main crop** variety, nearly globe-shape and almost twice the size of Erfurt—only a few rootlets at bottom—the American grower's favorite. **Pkt., 10c; ½ oz., 20c; oz., 40c; ¼ lb., $1.25; lb., $4.00.**

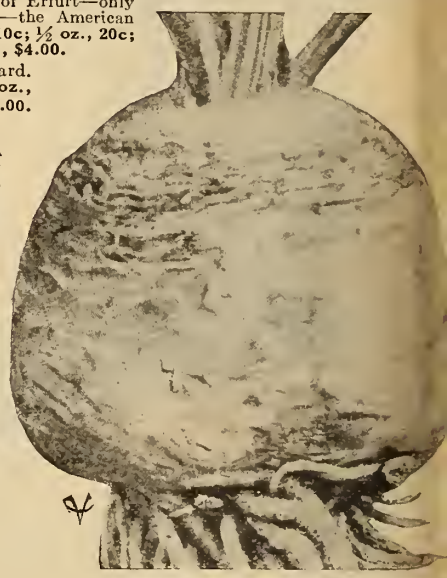
LARGE ERFURT. A standard. **Pkt., 10c; ½ oz., 20c; oz., 40c; ¼ lb., $1.25; lb., $4.00.**

CHICORY

Witloof (French Endive). A European delicacy now standard in all best hotels and restaurants in the U. S. It is easily grown. Sow in spring; store parsnip-like roots in sand until wanted for growing on in winter; directions on packages. **Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., $3.00.**

Roots of above 3 for 40c. postpaid (with forcing directions up to April 1st).

Large Rooted Magdeburg. Roots are cut in thick slices, roasted and used as coffee; in spring leaves make good salad. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75.**



CELERIAC—Giant Prague

LEEK

CORN SALAD—Field Salad

CORN SALAD. (Mache-Stick, Salat.) A most refreshing salad. Hardy, much used in Winter in place of Lettuce. Sow either in Spring or Fall. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.40.**

CORN SALAD

GARDEN CRESS OR PEPPER GRASS.

CURLED GARDEN. Used with Lettuce, it adds an agreeable pungeney. **Pkt., 5c; oz., 15c; ¼ lb., 25c.**

UPLAND CRESS. Has highly prized flavor of Water Cress. Green all year; ready for use before any other salad. **Pkt., 5c; oz., 20c; ¼ lb., 40c; lb., $1.25.**

CARDOON. Main stalks are blanched like Celery used for salad or in soups. **Pkt., 10c; oz., 30c; ¼ lb., $1.00; lb., $3.50.**

CHERVIL DOUBLE CURLED. Similar to Parsley, handsome for garnishing. **Pkt., 10c; oz., 25c; ¼ lb., 60c.**

COLLARDS. A variety of cabbage used in Southern states. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

KOHLRABI

Sow in June or July, in rows, thin to 12 inches.

Bulbs grow above ground, are stripped and cooked like Turnips, but are much sweeter.

EARLY WHITE VIENNA. White and tender. **Pkt., 10c; oz., 25c; ¼ lb., 80c; lb., $3.00.**

EARLY PURPLE VIENNA. **Pkt., 10c; oz., 25c; ¼ lb., 80c; lb., $3.00.**

SHORT LEAVED EARLY ERFURT. For foreing in open ground. White flesh, very tender, short leaves. **Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., $3.25.**

Sweeter Than Turnips

KOHLRABI White Vienna

LARGE MUSSELBURG. Enormous broad leaves, mild flavor. Good exhibition sort. **Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.**

BROAD SCOTCH or LONDON FLAG. Hardy; a strong plant, with broad leaves. **Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.**

ROUEN, LARGE WINTER. Large, excellent—best of all. **Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.**

LONG MEZIERES. One of the very best. Broad, vigorous, erect leaves, long good sized stem, snow-white; fine flavor, very hardy. Unsurpassed for market garden. **Pkt., 10c; oz., 30c; ¼ lb., 80c.**

BULGARIAN WINTER. A most desirable Leek, extremely hardy, enormous size. **Pkt. 10c.; oz., 35c.**

WATER CRESS. (Wasser Kresse; Cresson.) The pleasant flavor of Water Cress makes it one of the most delicate salads. It grows where there is a good supply of pure fresh water, it can also be grown in tubs of good soil in a shady place, if plenty of water is given it. Directions with each packet of seed. **Pkt., 15c; ½ oz., 25c; oz., 45c; ¼ lb., $1.25; lb., $4.50.**

DANDELION. (Lowenzahn; Dent-de-Lion.) Cultivated for spring greens, is fast gaining favor. Our thick or cabbage leaved variety is best; unlike common sorts, almost double usual size. **Pkt., 15c; ½ oz., 40c; oz , 75c.**

Bethel, Maine.

Your "Antvorskov" Spinach is a miracle. Simply won't run to seed. HENRY T. FINCK.

for the Complete Home Garden

EGG PLANT VAUGHAN'S IMPROVED NEW YORK PURPLE

"New York" is the standard variety of this fine vegetable, and "Vaughan's Improved New York" is the highest type and most popular of that standard—entirely spineless. Plants grow low, stalky and branching, are early and almost continuous bearing; fruits are satiny smooth, rich purple color and large. **Sow Vaughan's seed. Pkt., 10c; oz., 55c; ¼ lb., $1.65; lb., $5.50.**

BLACK BEAUTY. Is 12 days earlier than New York; for northern home gardens and truckers it is most desirable. In shape it is broad and thick; it is perfectly spineless and smooth; has beautiful, rich purple color and handsome lustre—very attractive and popular. **Plant Vaughan's seed. Pkt., 10c; oz., 60c; ¼ lb., $1.75; lb., $6.00.**

BLACK BEAUTY—An Early variety, suitable for northern planting

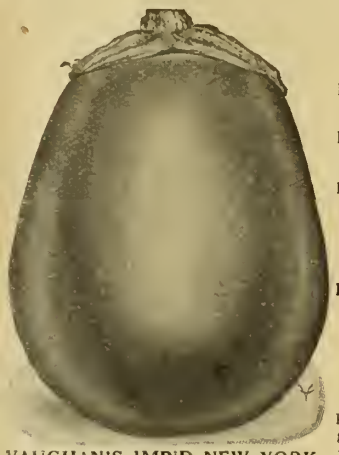
ENDIVE

CHICORY ENDIVE. A delightful autumn and winter salad. Sow seed from middle of June to the end of August

GREEN CURLED SUMMER. Standard variety for fall and winter. Finely divided leaves, making the plant appear mossy, and when centers are blanched most beautiful. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.**

GREEN CURLED WINTER. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

AUTUMN GIANT. Gigantic; ideal for early use; does not stand severe frost. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.**



VAUGHAN'S IMP'D NEW YORK PURPLE EGG PLANT

GIANT FRINGED. Most beautiful snow-white heart, fine delicate green fringe. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.**

MOSS CURLED. Fine sort. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.**

EVER WHITE CURLED. Very crisp. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.**

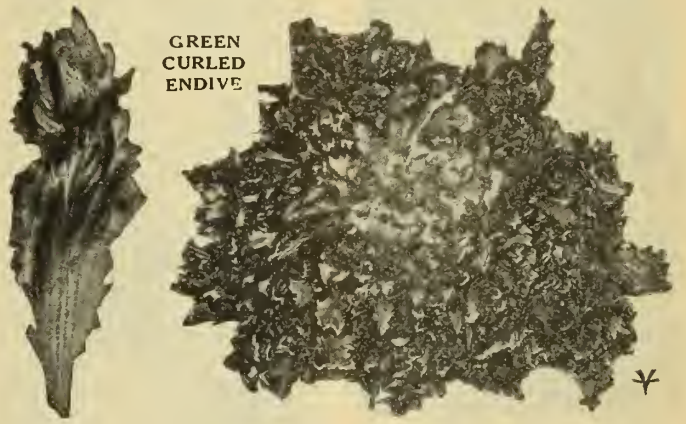
BROAD LEAVED WHITE. Slightly curled. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.**

GARLIC SELECTED BAVARIAN

Lb., 25c; 10 lbs., $1.75. Postage extra. Write for latest market prices on quantities.

HORSE RADISH SETS

ORDINARY HORSE RADISH. Roots produce good Radish, fit for use in one season's growth. Plant the set small end down, so that the top will be 2 inches under soil. **100, $2.00; 500, $8.00; 1000, $15.00.**



GREEN CURLED ENDIVE

HORSE RADISH, Bohemian. Earlier and better producer than the common sort. The roots grow larger and whiter and the quality is superior. All growers should have it. **Sets or Roots, per doz., 60c, postpaid; by express, 50 for $1.40; 100 for $2.50; 1000 for $20.00.**

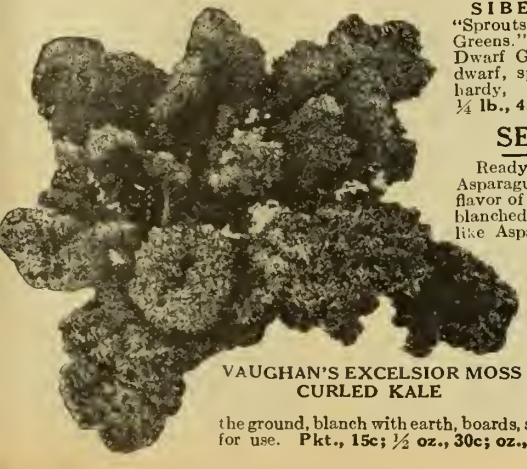
KALE OR BORECOLE

Greens for early fall, winter and spring. Sow seed about middle of June, later transplant to rows 2 to 2½ feet apart. Dwarf sort can be sown later.

DWARF GREEN CURLED KALE. Hardier than Cabbage. Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in South find ready sales in the North. Vaughan's Extra Selected Stock. Fine strain. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.40.**

VAUGHAN'S EXCELSIOR MOSS CURLED KALE. By far the best Kale in existence. Plants grow18 to 21 inches high and produce as many as 50 edible leaves to a plant. Leaves very early and unsurpassed in flavor. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75.**

TALL GREEN CURLED. Pkt., 10c; oz. 15c; ¼ lb., 45c; lb., $1.40.



VAUGHAN'S EXCELSIOR MOSS CURLED KALE

SIBERIAN. Called "Sprouts" and "German Greens." Not so curly as Dwarf Green Kale. Plant dwarf, spreading and very hardy. **Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.40.**

SEA KALE

Ready for use earlier than Asparagus, and combines flavor of that and Celery. Its blanched stalks are cooked like Asparagus or the leaves used as greens. Sea Kale comes usually from seed, but can be grown from offsets or root cuttings. Plant in rows 4 to 6 feet apart. Seedlings yield a crop third year. As soon as shoots show above the ground, blanch with earth, boards, sand, etc., until ready for use. **Pkt., 15c; ½ oz., 30c; oz., 60c; ¼ lb., $1.75.**

MUSTARD

Leaves useful as salad or boiled like Spinach.

CHINESE OR GIANT SOUTHERN CURLED. Large leaves often measure 14 inches; ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves boiled like spinach. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00**

IMPROVED OSTRICH PLUME. The handsomest of the mustards. Rich dark green leaves of excellent quality. Vigorous habit and withstands summer heat. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

WHITE, Best for general use. } ..... **Pkt., 5c; oz., 10c**
BROWN, Stronger than above. } ..... **¼ lb., 25c; lb., 75c**

MARTYNIA—For Pickles

The young and tender seed pods make a very fancy pickle. These pods are of curious shapes and borne abundantly. They should be gathered when less than half grown. **Pkt., 10c; ½ oz., 30c; oz., 50c.**

For culture see "Vaughan's Vegetable Garden," mailed free with $1.00 order for Garden Seeds in packets or ounces.

RHUBARB

VAUGHAN'S MAMMOTH. Vigorous and productive; stalks numerous; the large ones being fifteen inches long and fully one inch and a half wide; an excellent spring food possessing medicinal properties. It is the first article of the season from the garden and no planter should be without it. **Price of Seed per Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75.**

LINNAEUS. Seed, per pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75.

CHICAGO GIANT. This dwarf Rhubarb is bred for large stalks and small leaves. We have grown this variety for years, and find it A1. **Pkts. only, 15c. Roots, good sized clumps, by express, 50c each.**

RHUBARB ROOTS. Set in spring they will furnish leaf stalks the following year. If to go by mail allow for postage, 1-year, 1 lb.; 2-year, 1½ lbs.; 3-year, 2 lbs. See page 120 for zone postage rates.

1-year, each, 20c; 3 for 45c; 10 for $1.30. 2-year, each, 30c; 3 for 75c; 10 for $2.25. 3-year, each, 50c; 3 for $1.35; 10 for $4.00.

Belleville, Ill.

A word of recognition: I can not help but express my admiration of your seed catalog. I have a number, not one of which approaches yours, not only in its beauty, but in its usefullness; leaves them all way behind.

Most respectfully yours, H. J. KLEIN.

Vaughan's Sweetest, Earliest

MAMMOTH WHITE CORY

Vaughan's Mammoth White Cory. The great popularity of this extra early Sweet Corn is due to the fact that it was successfully bred for three important qualities—Earliness, Size, Sweetness. Placed in whichever order you wish, these are the dominant characteristics of this favorite corn. Early as the earliest corn; the ears are as long with two to four more rows of kernels set close, so there is no loss of space in the cob. The grains are of medium size, broad, very white and of high table quality. The stalks are a little less than medium size, vigorous and prolific, usually averaging two ears to the plant. Our seed is grown and bred on our own farms. No more careful selection can be practised than we use, and ears are dried in crates to insure high germination.
Pkt , 10c; lb., 20c; 2 lbs., 40c; 10 lbs., $1.75.

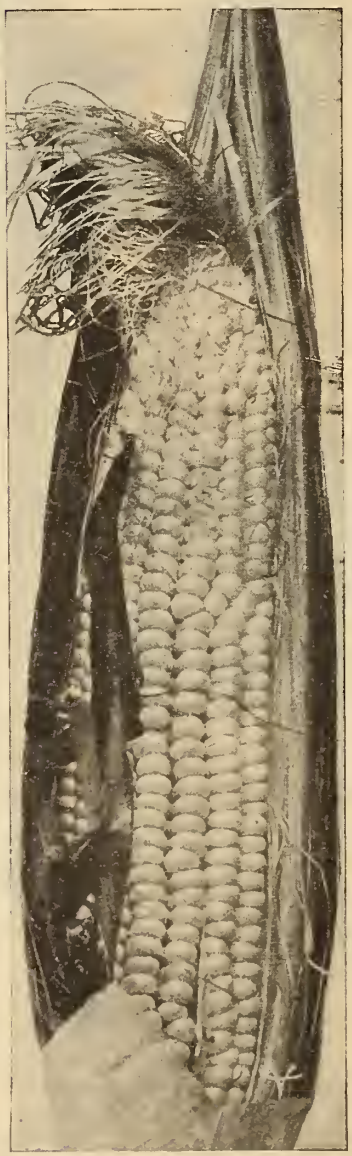
Stowell's Evergreen. The great standard main crop variety of Sweet Corn. The stalks are strong and vigorous and grow 7 to 8 feet high, and bear ears 8 inches long, with 16 or more rows of the finest sugary grains. This sort is very productive, and the deep set white kernels of sweetness are tender and very fine, which accounts for the great popularity this standard sugar corn has attained. For the home garden, the market grower or canning factory, it is always an immense success. We have specialized in this grand sweet corn for many years, and we say with confidence our strain is the best that money can buy. Vaughan's New England grown seed develops a larger percentage of sugar than seed grown in the Western States. We quote prices here for both.
SELECT EASTERN GROWN—Pkt., 10c; lb., 25c; 2 lbs., 45c; 10 lbs., $1.90.
WESTERN GROWN, EASTERN STOCK SEED—Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., $1.75.

MALAKOFF. The Great Sweet Corn for northern country; in the nothern states and Canada where the season calls for quick maturing this is the best of all sweet corns. In flavor it has no equal. It is a dwarf growing corn, rarely exceeding 4 feet in height; the stalks usually average 2 ears each. The kernels are shallow and sweet. We have specialized in this variety. Our stock has been carefully re-selected and the crop harvested on our Michigan farm.
Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., $2.00.

EARLY IOWA. A fine sweet corn. A week earlier than "Mammoth White Cory," and of superior quality. The ears are 8 rowed usually 2 to a plant. The stalks are short with little foliage. Under middle west conditions it is the carliest sweet corn with ears of marketable size. Our seed is grown on our own farms in Michigan. Pkt., 10c; lb., 25c; 2 lb., 50c; 10 lbs. $2.00.

EARLY MAYFLOWER. In the New England States this is the earliest sweet corn of good size. In the Middle West it is not as early as Early Iowa. White cob and kernels, larger than White Cory and ten days earlier. New England grown seed. Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., $2.00.

EARLY CORY. Red cob. A special strain of the extra hardy sort. Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., $1.75.



STOWELL'S EVERGREEN

GOLDEN CREAM. (A Late Yellow). A cross of Golden Bantam and Country Gentleman. The result is a yellow Country Gentleman. Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., $2.00. (Larger quantities of all Sweet Corns or other seeds at 10-lb. rate.)

EARLY MINNESOTA. A favorite early, a few days later than Mammouth White Cory, ears have 8 to 10 rows of large white grains. Very productive. Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., $1.75.

NARROW GRAINED EVERGREEN. A selection from the broad grained Evergreen in which the large-sized cob is retained with the kernels only half as wide as the Standard Sort. The result is a much more attractive looking corn. Especially valuable to market growers and canners. Pkt., 10c, lb., 25c; 2 lbs., 45c; 10 lbs., $1.90.

Fertilize the Sweet Corn ground if you want high sugar content. See Fertilizer Pages. Vaughan's 2-8-1 is a good one for Sweet Corn. Hoe frequently. Full line hoes on implement pages.

SWEET CORN is the home garden crop. Scientists say the sugar content of such a variety as Stowell's Evergreen is 5 per cent; and within thirty minutes after it has been picked, this percentage will begin to decrease through chemical action. Only the home gardener, therefore, can enjoy it at its best, this greatest of American table delicacies. Sweet Corn may be sown earlier than field corn. May 1 is usually safe in the latitude of New York and Chicago. Fertilizer will give a good start and an early harvest.

Our special strains of Sweet Corn include Bantam Evergreen, which is

HOWLING MOB. A large-eared fine second early corn. About the same season as Early Champion, ear slightly larger. The kernels are small in size, of delightful flavor and make a most attractive appearance. Of the highest value for market gardeners and equally good for the garden. Pkt., 10c; lb., 25c; 2 lbs., 45c; 10 lbs., $1.95.

EARLY CROSBY. A high quality, second early, very popular in Eastern sections, especially New England. Ears about six inches long, 14 rowed, grains square, very white, sweet and tender. Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., $2.00.

LATE MAMMOTH. Produces the largest ears of all sweet corn varieties. A little late in season. In spite of its immense size, the ears are of excellent quality, delicious, sweet and tender. Pkt., 10c; lbs., 20c; 2 lbs., 40c; 10 lbs., $1.75.

METROPOLITAN. Popular in eastern states, season between Minnesota and Champion. Kernels have 10 to 12 rows, large and very sweet. Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., $1.75.

ADAM'S EXTRA EARLY. Not sweet but early. Pkt., 10c; lb., 20c; 2 lbs., 35c; 10 lbs., $1.35.

ADAM'S EARLY. Not sweet but early. Pkt., 10c; lb., 20c; 2 lbs., 35c; 10 lbs., $1.35.

(Larger quantities than 10 lbs., of any kinds on this page at 10-lb. rate.)

GOLDEN BANTAM ON OUR MICHIGAN FARMS

Our special strain of Golden Bantam, the quality standard for sweet corn, is grown under our direct supervision on our farms at Ovid, Mich., where soil and climate are favorable. In size of ear, perfection of filling, and high germination it is superior to all other strains that we have tried.

and Tenderest Sweet Corn

a large Golden Bantam, produced by crossing this variety with Stowell's Evergreen; Golden Bantam, a strain larger and earlier than others; Mammoth White Cory, especially selected for early maturity; Malakoff, the best variety for the northern country, and Early Evergreen.

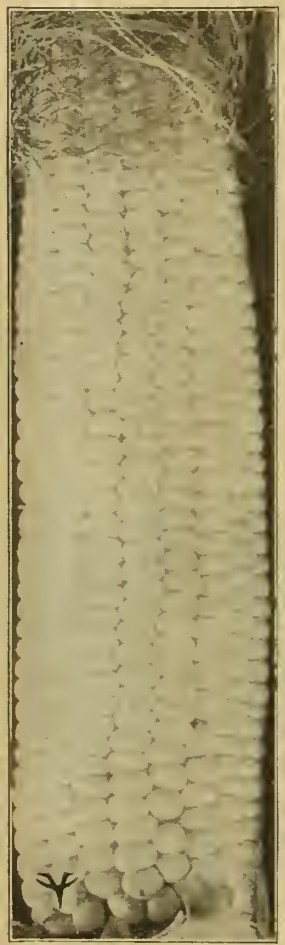
For the Home Garden—First early, Malakoff; Golden Bantam, main early crop, with Bantam Evergreen next, followed by Stowell's Evergreen, Country Gentleman, Black Mexican or by successive plantings of Golden Bantam are recommended. A very fine quality early white corn is the Early Crosby, the New England favorite.

Golden Bantam. Now the most popular of all first early Sweet Corns and planted in nearly every garden. This "Yellow Nugget" has made more enthusiastic and satisfied amateur horticulturalists than acres of successful gardens filled with other vegetables. Golden Bantam is about a week later in season than Cory or the first earlies. The ears are borne two to a stalk, and are about six inches in length with eight rows of kernels on a cob. We grow our seed of this sort on our own farms in Michigan, and we have taken great care in the development and culture of our strain. Pkt., 10c; lb., 30c; 2 lbs., 50c; 10 lbs., $2.25.

Vaughan's Bantam Evergreen. Best and Sweetest Sugar Corn. (See illustration on Back Cover.) A corn of Golden Bantam quality of the right size. It is a product of Golden Bantam crossed with Stowell's Evergreen. It has retained the quality of the Bantam and has the more tender skin of the Evergreen. Market gardeners are at least able to sell a merchantable sized ear of corn superior in quality to any on the market. Grown and bred in New England, the home of sweet corn, where it is pronounced the sweetest corn ever eaten. Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., $2.00.

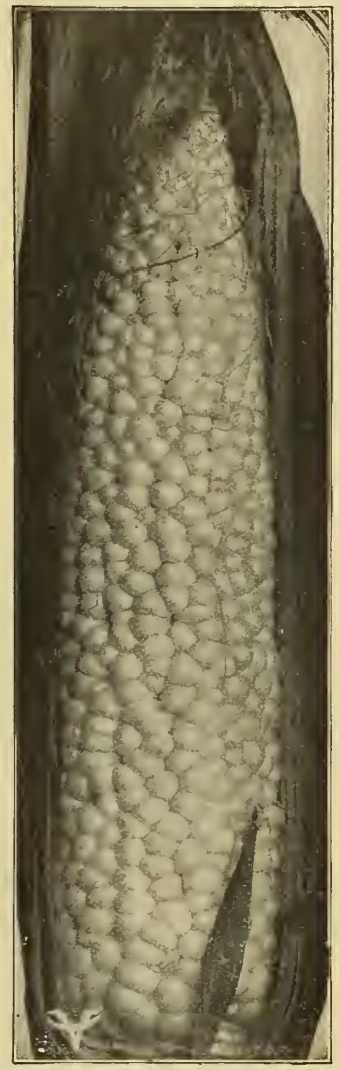
Country Gentleman. Is a late main crop variety, which should find a place with every grower for home or market. The ears which are 7 to 9 inches long are borne on stalks 6 to 7 feet high. Unlike other sorts the grain is small and rather round and crowded together on the cob, instead of forming in defined rows. Deliciously tender and sweet, this corn is regarded by many as the highest quality of all White Sweet corns. Vaughan's strain has been especially selected for small deep kernels and high sugar content and represents the highest bred type.
Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., $2.00.

EARLY EVERGREEN. Very large ears are characteristic of this sort. It is earlier than Stowell's Evergreen by 8 to 10 days. This variety remains green for a long time and in northern localities is a surer cropper than Stowell's Evergreen, of which this is a smaller sort. Reliable seed of this well known variety is at your command in Vaughan's Seed Store. Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., $1.75.



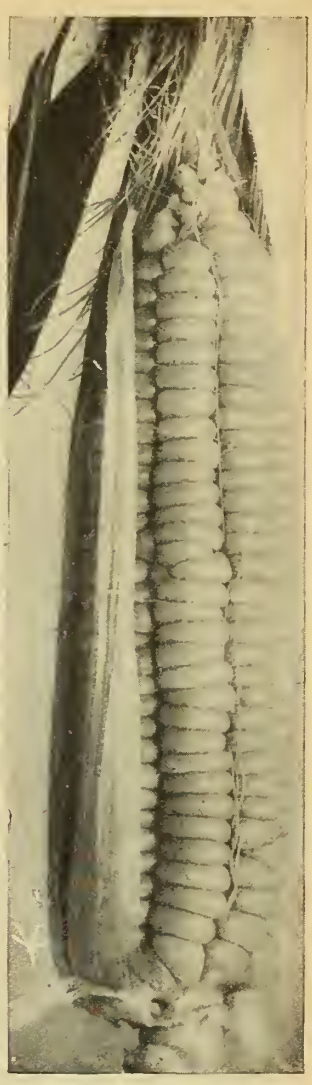
EARLY EVERGREEN

EARLY CHAMPION



COUNTRY GENTLEMAN

IMPROVED EARLY CHAMPION. Is a second early which ranks high in popular favor, it is one of the earliest large sweet corns, in season two weeks later than "Mammoth White Cory." The ears have 12 very uniform rows of pure white, not too large, kernels, which are tender and full of milk. The ears are medium, often three on a stalk. Planted by many gardeners for both early and late. Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., $1.75.



GOLDEN BANTAM

BLACK MEXICAN. Everyone who has seen this Corn remembers it and the delicious sweetness and fine grain qualities in spite of its dark color, making it more and more of a favorite every year. Eight to ten rowed; ears about 8 inches long; kernels bluish purple to black and rather flat. Pkt., 10c; lb., 25c; 2 lbs., 45c; 10 lbs., $1.90.

VAUGHAN'S BLACK SUGAR. This is an Eastern grown selection of the Black Mexican variety. Our grower has selected it for large maturing ears and high sugar qualities. For one who has never grown this corn its quality is a revelation. Pkt., 10c; lb., 30c; 2 lbs., 50c; 10 lbs., $2.10.

Any of the following, per pkt., 10c.

KENDEL'S EARLY GIANT. Lb., 20c; 2 lbs., 40c; 10 lbs., $1.75.

EARLY MAMMOTH. Lb., 20c; 2 lbs., 40c; 10 lbs., $1.75.

OLD COLONY. Lb. 20c; 2 lbs., 45c; 10 lbs., $1.90.

HICKOX IMPROVED. Lb. 20c; 2 lbs., 45c; 10 lbs., $1.90.

WHITE EVERGREEN. Lb. 20c; 2 lbs., 45c; 10 lbs., $1.90.

PERRY'S HYBRID. Lb. 20c; 2 lbs., 40c; 10 lbs., $1.75.
(Larger quantities all Sweet Corns at 10-lb. rate.)

SWEET CORN FOR SUCCESSION. Plant the following varieties at one time and they mature so as to furnish green corn throughout the season; Mammoth White Cory, Early Champion, Stowell's Evergreen. Offer No. C3X. 1 pkt. each (3 kinds), 25c; prepaid.

Vaughan's Superior Cucumbers

TYPICAL FRUITS OF THE VAUGHAN CUCUMBER

CUCUMBERS are close relatives of melons but mature in about sixty days and may be brought to maturity with little trouble in the home garden. The seeds must be sown after the ground becomes warm, and the plants thinned to three or four to the hill. A very rich soil is the best precaution against insects and the blight. The striped beetle should be kept away from the young plants by liberal applications of Slug Shot, powdered aresenate of lead or tobacco dust. The under sides of the leaves must be sprayed with nicotine to kill aphis.

For the Home Garden—The Vaughan is the finest table cucumber for the home garden. A pickling variety, should be grown for pickles.

The Vaughan. Splendid for forcing, excellent for outdoors. Best of all for slicing, uniform size. A really sensational novelty. In our opinion the best new cucumber ever introduced. Compared with other extra long white spine cucumbers, like Davis Perfect, Fordhook Famous, etc., it is much darker in color, more uniform in size, thinner and more prolific. (See illustration on back cover page.) Don't fail to try it.

VAUGHAN SPECIAL

Pkt., 10c; oz., 40c; ¼ lb., $1.25.

Cucumber, Earliest of All. A fair size, dark green White Spine. The earliest of good quality we have tried, of espccial value in localities where blight prevents the maturing of the late and longer sorts; also of value in the south for first crop.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60.

Boston Forcing White Spine. In New York, Boston, Philadelphia and other exacting markets, Vaughan's "Boston Forcing Cucumber" is a "top notcher" of forcing varieties. The vines are remarkably strong and very productive. The fruit is very even, smooth, slender, with dark green skin and whitish markings more blended than is usual, and the quality very superior.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

Cucumber, Early Fortune. An especially fine, medium length. White Spine Cucumber much planted in the south for shipment to the northern markets. It has a fine, dark green color which it holds for a long time after picking.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60.

ENGLISH FRAME CUCUMBERS

VAUGHAN'S PROLIFIC FORCING. Early, shorter than others, uniform. Pkt., 25c; 3 pkts. for 65c.

ROLLISON'S TELEGRAPH. A standard greenhouse variety. English greenhouse grown. Pkt., 25c.

PRESCOTT'S WONDER. Fine flavored. Good yielder. Pkt. (50 seeds) 25c.

CARTER'S MODEL. One of the best English varieties. Large straight, smooth. Pkt., 25c; 3 pkts. for 65c.

Pickling Cucumbers

Westerfield's Chicago Pickle. Since we first introduced this pickle years ago, it has been a distinguished success; it secures the highest market price because of its known splendid qualities, that meet the most exacting condition of critical pickle makers, who supply fancy and highest priced goods to the market. The maintenance of fine shape, right size and excellent quality in this splendid pickle are, as always have been, matters of great pride with us; and so, the fine pickle makers throughout the country willingly pay the higher price it is necessary for us to get, for our selected seed. When ripe the fruit is medium size, pointed at both ends, has large prominent black spines.

Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.40.

Improved Jersey Pickle. This is a famous kind for making vinegar pickles. Owing to its light color it makes what pickle men call "light" pickles, excellent for "Gherkins." Its shape in the fruit is broader at the tip than at the stem end while in the pickle state it is nearly straight. It is very prolific. Our seed is very uniform and finely selected. Plant Vaughan's Seed.

Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.40.

Snow's Fancy Pickling. This is a selection made originally from the "Chicago Pickle" by a veteran pickle grower in the west. The type is shorter when ripe than the Chicago Pickle and is broad at the stem end, tapering slightly to the tip. The small pickles, although quite similar to the Chicago Pickle, have an additional value where blight prevails. The fruit being smaller, the blight does not sap the strength of the vine to the detriment of a crop. We offer a strain of most carefully selected seeds from fields inspected by us and under our own direct supervision.

VAUGHAN SPECIAL

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

The Cumberland Pickle. This is a variety of the White Spine type. Very hardy and a strong rapid grower, and gives a very prolific yield. The pickles differ from all other hardy sort, being thick set with fine spines except on the extreme stem end. The flesh is very firm, crisp and tender at all stages. Excellent for pickles and slicing.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

WEST INDIA GHERKIN. A very small oval prickly sort, distinct from all others. It is grown for pickles only and must be used when young. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00.

	Pkt.	Oz.	¼ lb.	Lb.
Extra Early Green Prolific or Boston Pickling	5c	15c	45c	$1.40
Early Cluster	5c	15c	45c	1.40
Early Frame of Short Green	5c	15c	45c	1.40

VAUGHAN'S CUCUMBER SPECIALTIES

The Vaughan, Vaughan's Improved Long Green, Westerfield's Chicago Pickle, Snow's Fancy Pickling.

# of Best Salad and Pickle Types

Vaughan's Improved Arlington White Spine. Is early, and a heavy yielder; it is a beautifully symmetrical, straight type cucumber, 7-10 inches long. Throughout its entire length, the skin is an attractive, glossy dark green; the flesh firm but tender, with delicious flavor; these surpassing qualities have made it a great favorite. In the southern country it is a universally planted sort and Vaughan's strain of Improved Arlington White Spine is the standard for both home and market gardens.
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

Davis Perfect. Fine length, slimness, beautiful dark green color, transparent-like flesh with deliciously cool refreshing flavor, and enjoyable crispness, are disinguishing features and qualities of this, the most popular of the extra long white spine cucumbers. For indoor, and outdoor planting it is most popular. Its extremely vigorous growth, makes it the best blight resister of the long sorts.
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60.

Improved Long Green. Vaughan's strain of "Long Green," is a strain improved and developed by re-selection. The vines of our strain are very vigorous, and productive; the fruit (12 inches long) is formed almost as early as on the short sorts. As a cucumber of the "black spine" variety, for slicing and for pickles, this is one of the very best. The flesh is very firm and crisp and has a distintive fine flavor, quite its own; they make excellent pickles, and when yellow and ripe the best sweet pickles. The fine dark green color, the size, shape, crispness, and flavor, make this the best of the "black spine" varieties.
Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $1.75.

ROCKY FORD (Klondyke). White Spine. A fine market garden sort—between the New Century and Arlington in size—slightly earlier, however. A wonderful keeper and shipper. Good dark green color. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

EXTRA LONG WHITE SPINE. Like "Davis Perfect," "Extra Long White Spine" is a great blight resister. It is thicker than "Davis Perfect," straight, smooth, dark shiny green, 8-12 inches long; with superbly flavored, tender, crisp flesh. It is very early, vigorous and prolific and far more blight-proof than any of the ordinary sorts. Select Stock: pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60.

EARLY CYCLONE. 3 to 4 inches long, earliest of the white spines; prolific. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

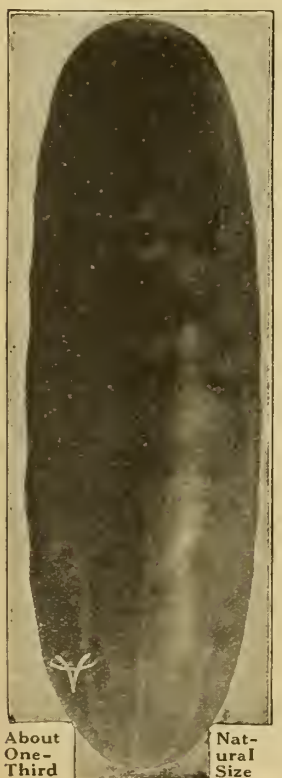
IMPROVED WHITE SPINE. Medium size, straight, always fine yielder; light green. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.40.

NEW CENTURY. A fine strain of long white spine, 8 to 10 inches in length — very thick, uniform, smooth and straight. It holds its dark green color well and is fine for slicing. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

FORDHOOK FAMOUS—White Spine. As long as "Davis," slightly bent, but very handsome, twelve to fifteen inches long. Quality is superb, dark green; vigorous. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60.

EMERALD. Smooth, almost spineless, dark green, which it retains well, fine for slicing. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60.

NICHOLS MEDIUM GREEN. Early, medium size, straight, smooth, dark green, good flavor, for pickling and slicing. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.40.



About One-Third Natural Size

EXTRA LONG WHITE SPINE

DAVIS PERFECT CUCUMBER
Less Than Half Natural Size

IMPROVED LONG GREEN

About Two-Thirds Natural Size

VAUGHAN'S ARLINGTON WHITE SPINE

COOL AND CRISP. Fine for slicing. Early, prolific, and covered with knobs, and black spines on dark green skin—makes handsome pickles. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

ODD CUCUMBERS

JAPANESE CLIMBING. Grows quickly on poles or trellis, takes up little room in the garden. Fruit is good size, fine flavor, especially good for slicing and salads; does best in dry warm summers. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00.

LEMON CUCUMBER. Not the same as the Garden Lemon, though similar in appearance. It is a real luscious flavored cucumber, a worthy addition to the list. Pkt., 10c; oz., 20c.

SERPENT OR SNAKE. A curious, usually much twisted cucumber. Pkt., 10c; oz., 25c.

Vaughan's Leaf, Cabbage-head and

LETTUCE has become a year-round necessity on our tables, with the discovery of vitamines and the part they play in maintaining good health. It is a crop with which the home gardener may excel as he supplies the few essentials. Leaf lettuce may be grown satisfactorily in almost any soil, and since it may be eaten with relish long before it has matured, it usually supplies the first salad of the year from the garden. Head lettuce is more difficult, but success is sure if it be started indoors, so that plants may be set out at the time leaf lettuce is sown in the open ground; always provided that the head lettuce have a rich, quick soil; that is, one which is light and warm, and very heavily manured. Water is also essential to the rapid and uninterrupted growth which produces good cabbage heads. The butter head types are best for early, and the crisp heads, such as New York, Iceberg and Mignonette for the warmer weather.

For the Home Garden—All Seasons and Hanson of the butter heads; Iceberg and Mignonette of the crisp heads, and Black Seeded Simpson and Prizehead of the leaf lettuces are recommended, with any of the Cos varieties, which will often succeed where the cabbage heads fail.

Vaughan's All Seasons. In 1879 we introduced this distinctive variety. It immediately leaped into popular favor, in which it has gained through all the years, and is today an unapproachable favorite. Heads are large, solid and handsome, almost as large as Flat Dutch Cabbage; leaves are grayish-green, never spotted or brown; they are broad and thick and have decided buttery flavor, embodying all in the term excellent; the inner leaves blanch beautifully. This sort is a sure header and slow to run to seed. Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 45c; lb., $1.50.

Improved Hanson. The most reliable header for home garden. On all markets—a well known, highly approved lettuce. Globe shaped, large, well formed, firm head of broad leaves so compact that the inner ones are blanched almost white. The outside leaves are glossy green and handsome, the inside ones are very tender and deliciously sweet, and all are beautifully crinkled and curled. For mid-summer planting outdoors, this sort is exceedingly popular, for it has superior qualitites for resisting drought and heat. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.

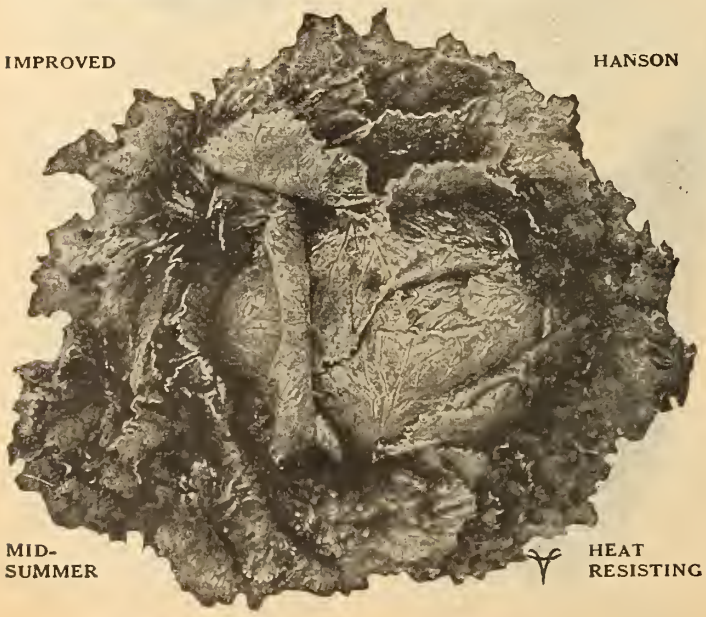
Vaughan's Big Boston (for the South). With southern gardeners who ship north, many of whom plant Vaughan's seed exclusively, this is considered the best early large heading sort. North, a valuable first early. Large heads of bright green leaves which are very tender. One of the very best for forcing. Seed provided especially for us same as Simpson above. VAUGHAN'S SELECTED STOCK—Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.

California Cream Butter. One of the best summer varieties. Heads good size and solid. Beautiful appearance, buttery flavor. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

New York or Wonderful. This is the largest of all head lettuce, forming crisp heads often weighing two pounds. It matures slowly, first forming a conical head which becomes globular with maturity. It is of excellent quality, very sweet, and stands the hot weather well. Because of its size it must be given plenty of room between plants. This variety is known in some sections as Los Angeles. Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., $3.00.

Sow two ounces of lettuce seed to 100 yards of row, 4 lbs. to acre. From seed to maturity time is 40 to 50 days.

Always buy **Vaughan's Selected Stock**; Type, quality and germination of the seed make it really cheaper.



MAY KING. A very early heading variety. This is among the finest of heading sorts. The outer leaves are green, just tinged with brown; they fold close, permitting close planting in frames—tender yellow heart. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.

THE DEACON. Large, solid, late sort, splendid for market or home garden; sure heading, inner leaves blanch to a beautiful golden yellow; rich buttery flavor. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

WAYAHEAD. Very early head lettuce, in season about time of "May King." Is larger than May King. The head is of golden-yellow, and the outer leaves light-green. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.

UNRIVALLED. A light green strain of Big Boston. Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 45c; lb., $1.50.

TENDER HEART. Early, tight-heading; green leaves, edges tinged reddish-brown. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.

PERPIGNAN OR SUMMER DEFIANCE. Excels for long standing. Resists heat better than most others. Heads are large, firm and solid. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

MAXIMUM OR IMMENSITY. A wonderful heat resister. It ranks amongst the largest head lettuces; has green outside leaves and solid yellow center; splendid quality. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.

BLACK SEEDED BIG BOSTON. An improved shipping strain of the Big Boston. Leaves are slightly smaller; sometimes heads harder, does not rot as quickly in cold, rainy weather. In great demand in large Southern lettuce sections. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.50.

ST. LOUIS BUTTER-HEAD. Extensively planted. Has gained great popularity since the St. Louis World's Fair in 1904. Large, solid head, crumpled leaves, yellow center. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

ICEBERG. Extremely hard heading, has finely indented leaves. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.35.

GOLDEN QUEEN. A good first early. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00.

GIANT CRYSTAL HEAD. White solid, extra quality. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.

GIANT GLACIER. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.

MAMMOTH BLACK SEEDED BUTTER. Large hard heads. A favorite everywhere. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.35.

MIGNONETTE. A delicious, crisp, solid, small lettuce; very hardy, stands close planting. Pkt., 10c oz., 15c; ¼ lb., 45c; lb., $1.50.

BUTTERCUP. Lightest green and most yellow of all sorts. Excellent quality. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

BROWN DUTCH. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

SALAMANDER. Good all seasons. Resists heat. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

TENNIS BALL. Black Seeded. One of best standard sorts. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

TENNIS BALL. White Seeded. (Boston Market.) A good forcer. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

WHITE SUMMER CABBAGE. Green, very hardy, popular. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

We are pleased to report great progress in the growing of our lettuce seed. For several years we have been offering seed of Grand Rapids and Big Boston, bred from one original "perfect" and prepotent plant. This year we add Black Seed Simpson and New York or Wonderful to the list with other sorts to follow.

Romaine Lettuces for Every Climate

LEAF LETTUCE

Grand Rapids. Vaughan's selected stock. A home garden favorite, extensively planted for market. Grand Rapids Lettuce for hotbed or greenhouse growing, is a curly leaved lettuce of great popularity because of exceptional merit. The leaves develop very quickly and its upright habit, requiring little room in the bed, permits close planting. Grand Rapids Lettuce has elegant appearance, is an excellent keeper and a splendid shipper. The leaves are a beautiful green, daintily curled, tender and crisp. The flavor is sweet and delicious. This lettuce secures many buyers, and makes profit for the market growers who plant it, and in the home garden it produces continuous satisfaction. Through trials and re-selections we secure seed for our customers of the most perfect type.

VAUGHAN'S EXTRA SELECTED STOCK—Pkt., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 45c; lb., $1.50.

STANDARD STOCK—Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

Black Seeded Simpson. Seed of this important sort is grown for us with special care. We supply many gardeners who make their living as lettuce growers.

Black Seeded Simpson Lettuce is always reliable and easily grown. The leaves grow large, the inner ones forming a semi-compact head; they are a handsome green beautifully crumpled, have fine quality, being tender, crisp and sweet flavored. This sort may be grown under glass, in cold-frame or open ground. It is unsurpassed as a heat resister, and is especially adapted to amateur gardeners, who may be unsuccessful in growing head lettuce. Its fine appearance makes it a success on the market, and in the home garden.

VAUGHAN'S SELECTED STOCK—Saved from extra selected plants. Pkt., 10c; oz., 15c; 2 ozs. 25c; ¼ lb., 45c; lb., $1.50.

STANDARD STOCK—Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

COS LETTUCE

ROMAINE OR COS LETTUCE

THIS type of lettuce forms upright loose folding heads, and the inner leaves bleach white. It is usually preferable to tie up the heads to assist bleaching. Many esteem this the finest of lettuces in flavor, and it is a salad of the highest quality. Home gardeners who have difficulty growing the cabbage heads will be well advised to turn to Romaine.

Express Cos. A Vaughan introduction. The most dwarf and earliest of all. Delicious flavor. Self-closing.
Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.

Paris White Cos. Grows to large size. Self-closing.
Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

Trianon Cos. Similar to above, but grows whiter and matures earlier.
Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

A PRIZE FOR POULTRY-KEEPERS

New Chicken Lettuce. Here is a genuine Lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When once cut it starts to grow again. The leaves can be pulled off each stem like a kale. Chicken Lettuce does not make a head, but sends up a stout stalk three or four feet high, just loaded with leaves.

Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., $1.50.

GRAND RAPIDS

PRIZEHEAD. Very popular, large, loose heading sort. Leaves finely crumpled and fringed, outer ones, shaded brown; very crisp, sweet and tender, splendid for home garden. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.10.

BLONDE BEAUTY. Try it. A remarkable heat resister, excellent keeper after cutting, tender, sweet crisp and juicy. Fine shipper. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

EARLY CURLED SILESIA. A dwarf of compact habit and thick growth. Crisp, golden leaves, finely curved edges; an old favorite. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

EARLY CURLED SIMPSON. White seeded, similar to Early Curled Silesia—one of the best leaf lettuces. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

THE MORSE. Desirable strain of Black Seeded Simpson, for growing under glass—a careful selection by a seed grower of wide experience—leaves bright green, beautifully crinkled. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

DENVER MARKET FORCING. Early; forms loose head of good size; leaves light green, handsomely marked, and blistered like Savoy Cabbage; very crisp and tender, a forcing or open ground sort. Pkt. 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.

TILTON'S WHITE STAR. Large, very rapid grower, is a distinct variety of B. S. Simpson; leaves are very broad, thick, less frilled and darker than B. S. Simpson; they blanch well, good quality—slow to seed. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

CENTRAL MARKET LETTUCE. Crop failure.

BLACK SEEDED SIMPSON

Vaughan's Muskmelons for All Latitudes

OSAGE (Introduced by J. C. Vaughan)

MELONS are a long season crop requiring for their best development a sandy soil which quickly warms up, a season of 90 to 100 days growing weather, hot sun and ample irrigation. Though these conditions are best found in irrigated sections of the west, there is practically no region in the United States in which some variety cannot be successfully grown. The list offered on these pages includes all varieties of merit, and is so complete that gardeners living in every section of the country may find here a variety with which they can succeed. Seed must not be sown until the ground is warm, and in the north it will pay to start the seed in a hotbed or indoors in paper pots or in a piece of thick turf. Plant in hills, allowing ample room, and thin out the plants to four in a hill when they begin to vine. The cucumber beetle may be kept off with Slug Shot or Pyrox and aphis must be killed with a nicotine spray.

For the Home Garden—The varieties which are known to succeed in your locality are recommended, as many conditions enter into success with melons. Milwaukee Market is especially valuable for the home garden, growing to a large size and possessing table quality which few melons equal. The Osage type is usually easier to grow than the Gem type for an amateur.

Vaughan's Original Osage. Most growers of Muskmelons have learned that success with this vegetable varies greatly with soil conditions; many kinds are adapted for only one soil or location; Vaughan's Osage is a notable exception to this rule, it not only succeeds on all soils, but great value lies in its general purpose adaptability either for sml town markets, rail shipments or home use.

In heavy soils, where other sorts like Rocky Ford produce inferior fruits, Osage does well; in sandy soil it is at home and a money-maker for growers. Seldom, indeed is there a poor quality Osage; it holds its own rich flavor much longer than other sorts, and best of all the red-fleshed. As the introducers we pride ourselves in maintaining its uniform quality for our old-time customers. We carefully re-select our seed melons each season to insure this.

SELECTED STOCK—Pkt., 10c; oz., 25c; 2 oz., 40c; ¼ lb., 75c; lb., $2.50.
STANDARD STOCK—Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 45c; lb., $1.40.

Special Shipping Osage. This is a selection of the Osage made for the purpose of increasing the netting more than the original type, thus bettering the shipping qualities. Our grower has been successful, and this melon will stand a shipment of several hundred miles without breaking down. The quality is almost identical with Osage, although it runs a trifle smaller in size.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75.

Vaughan's Extra Early Osage. Extra early strain of the Popular Orange Flesh, Osage Melon. Not as large as Vaughan's Original Osage, but at least ten days earlier and of equal quality. Market Gardeners will find it a money-maker.

Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $2.25.

Vaughan's Hoodoo or Hearts of Gold. Introducer's Strain. The best salmon-fleshed Gem Melon. Introduced by Vaughan's Seed Store. Quality—fine grained, not stringy and of the sweetest flavor. Size and shape—just right, so it may be served cut in halves. Flesh and Color—deep orange, extremely thick. As a Shipper—uniform, like "peas in a pod." Netting is ideal, heavy and close. Prolific and uniform, produces well under favorable conditions and withstands blight better than most varieties.

HOODOO melons from Michigan points bring highest market prices in competition with the whole United States.

SELECT STOCK—Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.
STANDARD STOCK—Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., $1.40.

MORRILL'S RE-SELECTED HOODOO (Hearts of Gold). Selected especially for shipping. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

Vaughan's Milwaukee. This seed grown by ourselves in Michigan. (See Back Cover). This is a fine new melon that made its appearance in Milwaukee a few years ago. It originated as a cross between the old Surprise and a Gem melon. Our strain has been improved by careful selection and for a fine home melon and a market-wagon variety it has no superior. The skin is light green, fruits nearly round with slight sutures, flesh salmon, wonderfully sweet, with almost no stringiness. Every home gardener who can grow muskmelons should plant this for 1923.

Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

VAUGHAN'S CHICAGO MARKET. This we consider the best Nutmeg for earliest of maturity, large and uniform size, thickly netted skin, small seed cavity, deep green flesh, juicy delicious flavor and freedom from rot. A favorite with all who prefer a green flesh sort. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.40.

GARDEN LEMON. Fruit nearly round, with yellow and green markings, skin smooth, flesh tender, sweet melon flavor. Price, Pkt., 10c; oz. 20c; ¼ lb., 50c.

IMPROVED JENNY LIND. Vaughan's Selected Stock. Rind thick at ends, which are flattened and are not easily broken when crated, or basket-packed for shipment. The quality of its yellowish-green flesh is unsurpassed. Pkt., 5c; oz., 10c., ¼ lb., 35c; lb., $1.25.

MANGO MELON OR VEGETABLE PEACH. Orange shaped, golden-yellow flesh. Makes splendid mangoes, stuffed like Peppers. For sweet pickles, pies and preserving. Cooking directions on packets. Pkt., 10c; oz., 20c; 2 oz., 30c; ¼ lb., 50c; lb., $1.75.

FORCING MELONS

Highest Table Quality. Suitable for Greenhouse Growing:

BLENHEIM ORANGE. Scarlet flesh.
DIAMOND JUBILEE. Green flesh.
RINGLEADER. Green flesh.
ROYAL SOVEREIGN. White flesh
BEST OF ALL. White flesh.
SMITH'S IMPROVED EMERALD GEM FORCING. Salmon flesh.
TURNER'S SEEDLING. Scarlet flesh.
A1 SUPERB. Scarlet flesh.

Price of each, pkt., 25c.

HOODOO OR HEARTS OF GOLD

SWEET AIR — (New). Very popular around Washington, Baltimore and Philadelphia. Being a green-fleshed melon of superior flavor and correct size, is well suited to that region, and commands the highest market price. It is 5 to 6 inches across and 7 to 8 inches long The netting is good, and crated stand long-distance shipping. The flesh is thick, color dark green blending to light pink near the center. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00.

MONTREAL MARKET NUTMEG. The largest of the nutmeg varieties This melon is extensively raised near Montreal, being sown and grown in cold frames until ready to set out. Skin is dark green, flesh green. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.50.

Flossmoor, Ill.

Experience has taught me there are three varieties of Muskmelon which can successfully be grown in home gardens in the vicinity of Chicago.

"Vaughan's Milwaukee Market," on account of its size—some specimens weigh nine pounds; its medium-early maturity; its fine uniform grain; its quantity of well-shaped fruits, and its delightfully sweet flavor.

"Vaughan's Original Osage," being a little later than the "Milwaukee."

"Vaughan's Hoodoo," on account of their medium size, being just right for serving cut in half.

If there is room enough in the home garden for one variety only, my choice of these three would be the "Milwaukee Market."

D. J. BRUMLEY.

MILWAUKEE MARKET

Vaughan's Muskmelons for All Latitudes

Rocky Ford Netted Gem. Of the green muskmelons Rocky Ford is the recognized standard of excellence. To secure the real high-class quality possible to produce in this melon, it is necessary to have seed saved from choicest specimen melons only. We offer two grades of seed: Vaughan's Selected Stock which is saved from specimens of the highest class market melons—since "like produces like"—and Standard Stock saved from field-run melons from a crop in which all rogues, or untrue vines, have been discarded.

Picture at right shows specimen grown from Vaughan's Selected Stock. Note the small seed cavity and thickness of flesh. Our strain is the popular gold lined tint.

VAUGHAN'S SELECTED STOCK—Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75.

STANDARD STOCK—Pkt., 5c; oz., 10c; ¼ lb., 35c; lb.. $1.25.

New Muskmelon Pollock, 10-25. Salmon tint. The most popular of the Rocky Ford Type Melons among the western commercial growers. Introduced about two years ago. the stock has been controlled until now by a few shippers. Very uniform in highest quality; vigorous and early. Cuts with a golden center shading to a green at the rind. The latest and best Rocky Ford. Pkt.. 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

CANTALOUPE EDWARDS PERFECTO

New Cantaloupe. "Edwards Perfecto." "Salmon Fleshed Rockyford." "Better than Pollock 10-25." It is a new variety developed from the Rockyford Eden Gem by J. R. Edwards of Rockyford. Fruit uniform in size, nearly round, and densely covered with a hard gray netting. Flesh very thick with a delightful salmon-color shading into green as it nears the rind. The Perfecto has the deepest flesh, smallest seed cavity and more salmon color than any type of Rockyford shipping melon. The small seed cavity is an aid in shipping as well as appearance. For the past summer it stood up better than any other sort shipped from Rockyford and New York City and also commanded a premium over any other sort then on the market. The acreage of this will be much increased this season in the Rockyford district. Recommended by well-informed and best-posted melon men at Rockyford.

Pkt., 10c; oz., 25c; 2 ozs., 40c; ¼ lb., 75c; lb., $2.50. (Large growers write for quantity prices.)

Melon, Honey Dew. An old-time French melon imported by Vaughan's Seed Store for a melon specialist in Michigan; later found of good commercial value. The skin is perfectly smooth, of a delicate yellow color with incidental warts in scattered fashion. The rind is thin but very firm, the flesh is very thick and the color blends from a near white at the rind to emerald green at the seed cavity which is of medium capacity. The flesh is very sweet and juicy and possesses a peculiar honey flavor. In short] season localities it should be started on sods in the hotbed, as it is several weeks later than the Rocky Ford. Honey Dew is best when quite ripe. Store a few days after picking. Pkt., 10c; oz., 20c; 2 oz., 30c; ¼ lb., 50c; lb., $1.75.

VAUGHAN'S OSAGE GEM. A real gem with salmon colored delicious flesh, and where Rocky Ford Netted Gem is produced in Colorado it is as much in favor as green fleshed variety. Introduced by us under the name "Vaughan's Osage Gem," it is now the most renowned melon of any offered on the market. It is listed in all seed catalogues under other names. The skin is heavily netted like the Rocky Ford and the luscious salmon colored flesh is of the highest quality. Pkt., 10c; oz. 15c; ½ lb., 45c; lb., $1.60.

EMERALD GEM. The skin is smooth and deep emerald color, the flesh is thick and of delicate salmon tint. The vines bear early and are very prolific. A splendid home garden melon, but it is not a good shipper; it is, however, one of the sweetest and best quality melons and well adapted to the purposes of the home garden. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.60.

VAUGHAN SPECIAL

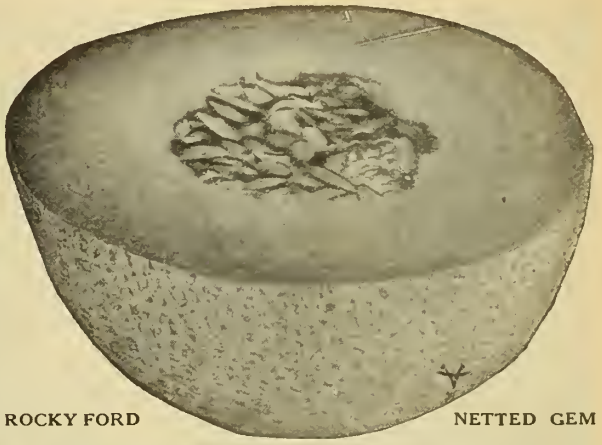
EARLY CITRON, LANDRETH'S. Very early half flat sort. Flesh green, of fair quality. Price, Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.15.

BANANA. Cucumber shape. Delicious odor. Pkt. 10c; oz., 20c; ¼ lb., 45c; lb., $1.50.

EXTRA EARLY NUTMEG. Very early; green flesh. Price, Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.15.

TIP TOP. A melon we recommend to every lover of this luscious fruit and to every gardener who grows for the market. It is a yellow fleshed melon of the very best quality. It is sweet, juicy, of finest flavor, edible to the very rind. A strong grower, and heavy yielder. Selected Stock: Pkt., 10c; oz., 15c; ½ lb., 45c; lb., $1.40.

ROUND GEM. A perfect globe-shape type of netted Gem. Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., $1.25.



ROCKY FORD NETTED GEM

HONEY DEW MELON

CHAMPION MARKET. The flesh is light green and of very rich sweet flavor. Early as Netted Gem. which it resembles in shape, but is fully three times its size. Very prolific, a good shipper. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.40.

EXTRA EARLY HACKENSACK. Ten days earlier than old" Hackensack," of which this is a selection. The melons weigh 4 to 10 lbs. each; market growers should remember that this is one of the best, earliest. hardiest, most prolific of netted melons—and has fine flavor. Pkt. 5c; oz., 10c; ¼ lb., 35c; lb., $1.25. Hackensack—late strain: Pkt., 5c; oz., 10c; ¼ lb., 35c; lb.. $1.25.

OVAL NETTED GEM. Old style Gem which was in favor before the new Rocky Ford types, and now, in the East is often preferred to Rocky Ford. Price, Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., $1.15.

Vaughan's Paul Rose. This is another melon introduction of Vaughan's Seed Store. and as such we offer it to professional melon growers as a variety of basket packing size that fills every requirement a first-class melon should have. Paul Rose is the result of crossing Osage and Rocky Ford, an exceptional combination of melon qualities. This grand melon combination produces the largest percentage of high-class table melons It is an ideal marketing melon. and does not break down in shipping. In season it is 10 days earlier than Osage.

SELECTED STOCK—Pkt., 10c; oz., 25c; 2 oz., 40c; ¼ lb.. 75c; lb., $2.50.

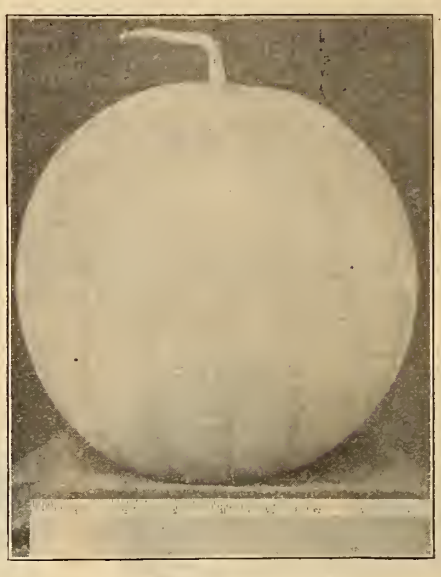
STANDARD STOCK—Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., $1.40.

VAUGHAN SPECIAL

VAUGHAN'S PAUL ROSE

Vaughan's Watermelons

TOM WATSON



WINTER OR HONEY DEW

WATERMELONS may be grown under favorable conditions in the north though it requires 100 to 120 days to mature. Soil such as will mature good muskmelons is needed, with plenty of hot weather and no lack of water. Room for the vines to wander is required, preferrably 8 to 10 feet between hills both ways. Avoid lifting the vines, and use only hand tools in cultivation.

Cole's Early. The Northern States' favorite. As an early melon it is the standard of high quality; in sugary delicious crispness, flavor and melting tenderness, it is the top-notcher. It is oblong shaped, about 20 inches long, 12 inches through; skin mottled green, thin brittle rind, therefore not a good shipper. The flesh is rich and deliciously sweet.
Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c; 5 lbs., $3.25; 10 lbs., $7.00.

Kleckley Sweets. This is a grand, old established variety of Vaughan's Special Watermelons. In its culture the greatest care is always taken by us to retain the excellent qualities for which it has become famous, and properly stands as the type of excellence for eating.
Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00; 5 lbs., $4.00.

New Chilian. Attractive, of medium size, nearly round, skin deep-green, faintly mottled and striped, stripe of brighter shade. The flesh is bright vermilion, fine grained, very sweet and a good keeper.
Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

Irish Grey. A mottled greenish grey, every melon very distinct. A fine shipper and the equal of any in sweetness and quality.
Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25; 5 lbs., $5.00.

Tom Watson. There's delicious sweetness in every bite. The flesh is rich red, crisp and tenderly melting. The quality of this melon changed the market demand from the round to the long melons.
Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00; 5 lbs., $4.00.

SWEETHEART. Oval, light green mottled. Flesh bright red, very firm, yet tender. A fine shipper. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

HALBERT HONEY. A variety somewhat similar to Kleckley Sweets—of much darker color. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

ALABAMA SWEETS. A Southern favorite; there it grows to perfection, and is a grand shipper. It is oblong in shape, dark green skin, irregular striped, has bright red flesh of delicious flavor and sweetness. Our strain is especially fine; the seed is white. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c; 5 lbs., $4.00.

Winter Watermelon

Also called "Honey Dew." This is an exceptional melon for fine keeping quality; put in a cool place it keeps long into the winter and retains its delicious sweetness and flavor. Pkt., 10c; oz., 20c; 2 oz., 30c; ¼ lb., 50c; lb., $1.60.

VAUGHAN'S BLACK DIAMOND. Very large, prolific, medium early, dark green skin, red flesh, blunt oval shape, fine shipper Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

COLORADO CITRON. For preserves. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

RED SEEDED CITRON. For preserves. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

Any of the following: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c:

EARLY FORDHOOK. Earliest shipper.

CUBAN QUEEN. Late, large, good.

ICE CREAM OR PEERLESS. Early, fine quality melon.

IMPROVED KOLB'S GEM. A standard market shipping melon.

McIVER'S WONDERFUL SUGAR. Very sweet, long melon.

RATTLESNAKE OR GYPSY STRIPED. Oblong, striped and mottled; very sweet; popular South.

TRIUMPH. Very dark, large shipper.

FLORIDA FAVORITE. Long, striped grey monarch. Oblong, light green.

ICEBERG. Similar to Kolb's Gem.

MOUNTAIN SWEET. Oblong, thin rind.

PHINNEY'S IMPROVED. Early, medium size, oblong

OKRA

OKRA is grown widely in the south for its pods which are used in soups, stews and salads. It is a hot weather plant, but can be grown in the north. It is grown much like corn, the plants being started indoors in paper pots in the north. The rows should be 3 feet apart and the plants 1 to 3 feet in the row. The pods should be gathered each day from the time they begin to set and always while still tender and pulpy, which will be in a day or two after the blossom fades.

White Velvet. Produces pods larger than any other. They are never prickly to the touch, always round and smooth, while in other varieties they are either ridged or square-holed. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

TALL OR PERKINS MAMMOTH. The long pods measuring 4 and 5 inches are produced in great quantities. Handsome green color and best quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

DWARF. Grows low but stocky and is very productive. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

Perkins' Mammoth or Tall

OKRA

Other rare and less planted Vegetables are to be found on Pages 16 and 17.

Mushroom Spawn

TO GROW a crop of Mushrooms in your own basement cellar or well-built outbuilding—is a home gardening effort worth making. While these are quickly salable, we are sure most of our readers would insist on eating their own crops! The location of the beds must be one where a temperature of 55 degrees to 65 degrees can be kept during cold weather. A barrel may be used in which to confine the manure for growing. We print and give FREE with orders for our Mushroom Spawn, a leaflet, "How to Grow Mushrooms." We supply the highest quality of Mushroom Spawn to the largest commercial "caves" in the country, both from our Chicago and New York stores.

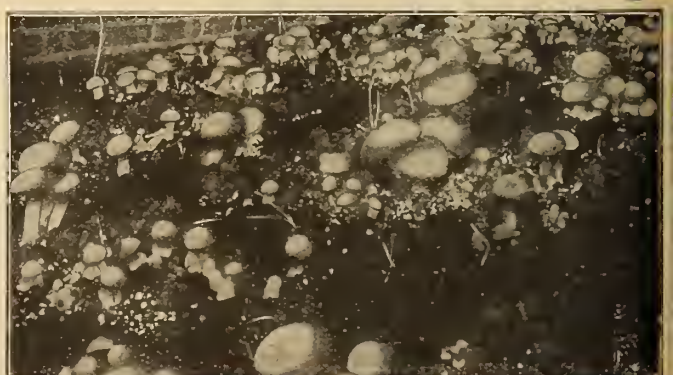
LAMBERT'S NEW PROCESS SPORE CULTURE SPAWN. In this new Spore Culture spawn which has been developed in France and is now produced in America, a more vigorous and a more prolific spawn is claimed. Not only that, but types have been more definitely fixed and absolute uniformity secured. Price, Brick (weight 1¼ lbs.), 35c; 5 bricks, $1.50; 10 bricks, $2.75; 25 bricks, $5.50; 100 bricks, $20.00.

No. 7 BROWN (Bohemian). A good producer of heavy mushrooms.

No. 8 CREAM WHITE A mammoth strain.

No. 9 WHITE (Alaska). Popular market variety.

ENGLISH MUSHROOM SPAWN. Our English Mushroom Spawn manufacturer is the oldest established and most extensive grower in the world. The superiority of this over all other importations is well known by experienced mushroom growers. We are the largest importers in the U. S., receiving 8 to 12 shipments annually; this spawn is carefully made from perfectly grown specimens. It comes in the form of pressed bricks. Prices (weight per brick, 1¼ lbs.), brick, 25c; 2 bricks, 40c; 8 bricks, $1.40; 25 lbs., $3.25; 100 lbs., $12.00; if shipped from New York, per 100 lbs., $11.50.



THE PRODUCT OF LAMBERT'S NEW PROCESS "SPORT CULTURE" SPAWN

Vaughan's Onion Sets and Seed

Illustration shows fair samples of our RED, WHITE and YELLOW SETS, the inset bulbs showing about natural size of "Hazel" Nuts

WHITE BOTTOMS. Pt., 20c; qt., 35c; ½ pk., 75c; pk., $1.25; bu., $4.00.

YELLOW BOTTOMS. Pt., 15c; qt., 30c; ½ pk., 65c; pk., $1.10; bu., $3.50.

RED BOTTOMS. Pt., 15c; qt., 30c; ½ pk., 65c; pk., $1.10; bu., $3.50.

SPECIAL OFFER No. OSI. 1 pt. each, 3 colors, 40c; 1 qt. each, 3 colors, 75c. (Postage extra.)

VAUGHAN'S HAZEL SIZE ONION SETS. These are especially screened and carefully selected and run about ⅝ inch in diameter. Price, Hazel Size, White, Red or Yellow: Pint, 25c; qt., 45c; larger quantities at quart prices.

Pint and quart prices for Onion Sets shown on this page include Parcel Post prepayment through first three zones. For farther zones add 5c per pound. In figuring cost remember each quart weighs 1½ pounds.

All Onion sets offered by us are sold on a basis of 32 lbs. to the bushel except Summer Tops and Egyptian which weigh 28 lbs.

THE first home garden harvest in the spring is young onions from sets. If perennial sets were planted in the fall, a crop is reaped long before the first outdoor seeds have sprouted. Spring sets can be put into the ground as soon as it is able to be worked and in a few weeks the delicious young onions are ready to serve on the table. Plantings may be successively late into the summer, as long as the sets remain in good condition.

We are onion set specialists, our main office being situated in the center of the world's greatest onion set district. We grow, grade and store in special warehouse the best quality possible. Orders are filled with dry, unsprouted sets. Our warehouse has 50,000 bushels capacity. Day and night men protect against weather changes. Onion sets produce ripe onions much quicker than does onion seed, enabling the planter to secure the highest market prices for his early onions and to raise a second crop.

The 1922 crop was seriously shortened by drought. The quality is excellent this year especially as regards size.

EGYPTIAN OR RED PERENNIALS. These we sell largely in the Fall. Planted then, they produce very early green onions. Pt., 20c; qt., 35c; ½ pk., 65c; pk., $1.00; bu., $3.50.

WHITE MULTIPLIERS. For First Early Spring Bunching Onions. They are pure silvery-white, which runs well up the stem, very sweet and mild flavor, superior to green onions from other sets. There are usually several stalks from a single bulb, which makes them very productive. They are ready for table earlier than any other. Pt., 25c; qt., 40c; ½ pk., $1.00; pk., $1.75; bu., $6.00.

SHALLOTS OR YELLOW MULTIPLIERS. Flavor much superior to ordinary onions. Pt., 20c; qt., 35c; ½ pk., 85c; pk., $1.40; bu., $5.00.

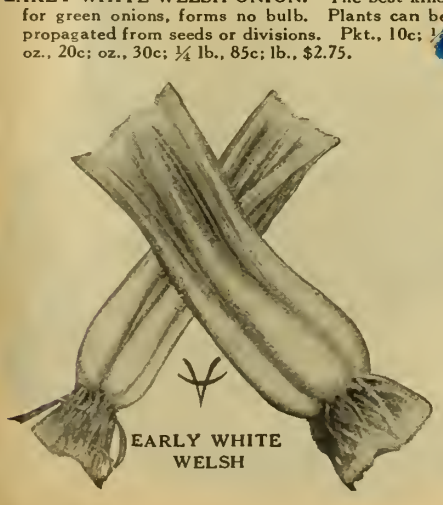
RED SUMMER TOP SETS. These are planted to produce both early "Green Onions" and large eating onions. Pt., 25c; qt., 45c.

YELLOW POTATO. They produce large, dry ripe onions, earlier than any other kind. Pt., 20c; qt., 35c; ½ pk., 85c; pk., $1.40; bu., $5.00.

Onion Seed, Flat and Miscellaneous Varieties

EXTRA EARLY FLAT RED. One of the handsomest red onions, and first to ripen; grown from Vaughan's carefully grown seed will ripen two weeks earlier than other strains. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.60; by express, 5 lbs., $7.25; 10 lbs., $14.00.

EARLY WHITE WELSH ONION. The best kind for green onions, forms no bulb. Plants can be propagated from seeds or divisions. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 85c; lb., $2.75.



BROWN AUSTRALIAN (Flat). A very desirable onion of medium size, with amber brown skin and solid white flesh. It is early, a heavy yielder, and a long keeper; keeps well in warm climates. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.35; by express, 5 lbs., $6.00; 10 lbs., $11.50.

WHITE PORTUGAL OR SILVERSKIN. This beautiful white onion is a splendid sort for growing white onion sets, pickles and for early bunching green onions; for any one or all of these purposes it is extensively planted by growers who produce the varieties named as large white onions for fall and early winter use. Vaughan's White Portugal or Silverskin is a medium size bulb, flat shape, as shown in the illustration. It has fine mild flavor, and is best of the white onions for keeping. Pkt., 10c; oz., 20c; ½ lb., 60c; lb., $2.10; by express, 5 lbs., $9.75; 10 lbs., $19.00

ITALIAN ONION SEED

VAUGHAN'S PICKLING. One of the best white onions for pickling; it is small, round, hard, crisp and tender, early and ripens uniformly. A very handsome sort with opaque white skin. Excellent for green onions. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., $2.10.

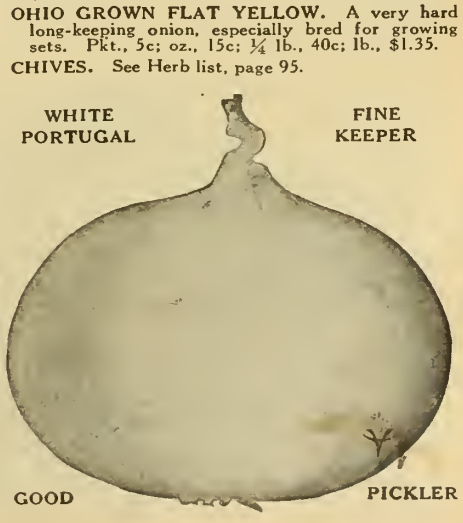
WHITE QUEEN. Remarkable for earliness and very mild flavor, it is small and white skinned. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., $2.10.

WHITE BARLETTA. Beautiful waxy-white. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., $2.10.

STRASBURG OR YELLOW DUTCH. Large and more flat than Yellow Danvers, has white flesh of fine grain, mild, well flavored—a splendid yellow onion for sets. Our seed is very carefully grown, and has no superior. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.35; by express, 5 lbs., $6.00; 10 lbs., $11.50.

OHIO GROWN FLAT YELLOW. A very hard long-keeping onion, especially bred for growing sets. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.35.

CHIVES. See Herb list, page 95.



Vaughan's Pedigreed Onion Seed

TRUE TYPE BEAUTIFUL YELLOW SKIN

ONION SEED may be sown as soon as the ground can be prepared. If extra large onions are desired in northern latitudes, seed may be sown in hot-beds or indoor boxes. It is best to transplant them into paper pots and allow their roots to become well established before setting them in the garden. By this method such varies as Prizetaker and Ailsa Craig can be grown to extraordinary size. Amateurs can thus produce in their own gardens in the short northern season, bulbs much larger than the so-called Spanish onions grown in the South and of the same mild flavor. It should be attempted only where the soil is favorable and irrigation possible. If onion seeds are sown in the open at the same time onion sets are put in the ground, the home garden may enjoy young onions from seed in midsummer, thinning out the rows for this purpose. If it is desired to mature onions for winter use, one of the hard globe varieties should be chosen as they are the best keepers.

Southport Yellow Globe. The Vaughan strain of this onion is the most uniform on the market today. It is ball-shaped and not so elongated as to make any undersized specimens seem like picklers. Our eastern seed bulbs are hand sorted by ourselves and the seed grown under our direct supervision. The ideal heavy yielding, long keeping Golden Yellow market onion.

EASTERN GROWN SEED—Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $3.10; 5 lbs., $14.75; 10 lbs., $29.00.

CALIFORNIA GROWN SEED—Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75; 5 lbs., $8.00; 10 lbs., $15.50.

Southport Red Globe. In shape this onion is similar to our Southport Yellow Globe but a little deeper. The color is a rich dark red showing its years of Eastern breeding. California grown seed produces a lighter colored onion. A wonderful keeper with finely bred neck and a heavy yielder.

EASTERN GROWN SEED—Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $3.10; 5 lbs., $14.75; 10 lbs., $29.00.

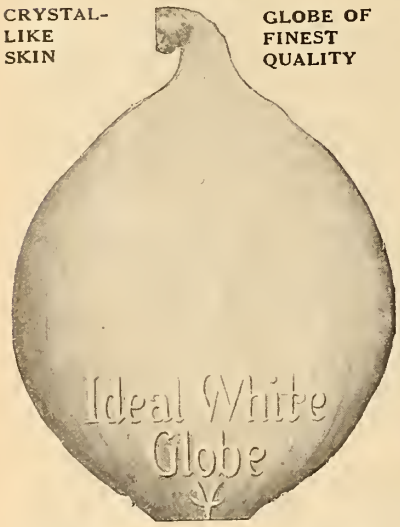
CALIFORNIA GROWN SEED—Pkt., 10c; oz., 25c; ¼ lb. 55c; lb., $1.85; 5 lbs., $8.50; 10 lbs., $16.50.

Onion, Ideal Yellow Globe. A "bottle necked" type of Yellow Globe Onion selected along the lines of the European Pear-shaped Onions. This type is much admired by many onion growers, and under favorable conditions produces the finest appearing bulbs of any market onion.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75.

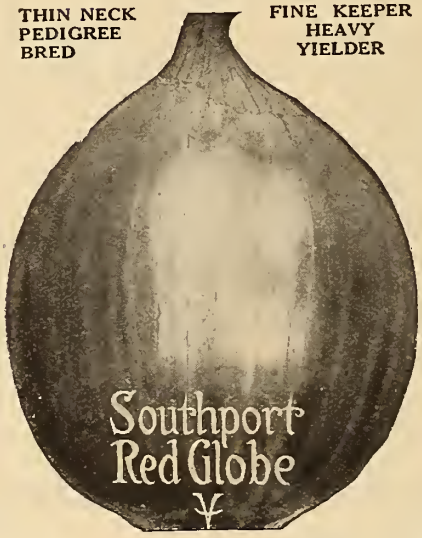
CRYSTAL-LIKE SKIN

GLOBE OF FINEST QUALITY



THIN NECK PEDIGREE BRED

FINE KEEPER HEAVY YIELDER



Vaughan's Ideal White Globe. A strikingly handsome onion; expert market growers recommend it in the highest terms. This is a very early type, it ripens evenly and is a fine keeper; the small, high-bred neck tells the story of quality; it is a true globe, pure white Vaughan high merit onion. Market growers have been our constant, satisfied customers, for this onion for many years.

EASTERN GROWN SEED — Pkt., 15c; ½ oz., 25c; oz., 40c; 2 ozs., 75c; ¼ lb., $1.20; lb., $4.00.

CALIFORNIA GROWN SEED—Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 70c; lb., $2.60; 5 lbs., $12.25; 10 lbs., $24.00.

Ohio Yellow Globe. Another of Vaughan's success-winning, globe-shaped onions. It attracts attention by its uniform shape, beautiful color and fine size, in all of which it outclasses the old type Yellow Globe Danvers. Its finely bred neck, large size, solid flesh of mild sweet quality, uniform growth, heavy yielding and superb keeping quality have made it a favorite with all growers.

EASTERN GROWN SEED—Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $3.10.

CALIFORNIA GROWN SEED—Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75; 5 lbs., $8.00.

Australian Brown Globe. Large, light brown skin and an average bulb 3 inches in diameter; weighs about 7 ozs. Perfect globe-shaped, quick to mature, ripens evenly on all soils; thin neck, long keeper, solid flesh, grand shipper.

Pkt., 10c; oz., 25c; ¼ lb., 55c; lb., $1.85; 5 lbs., $8.50; 10 lbs., $16.50.

Vaughan's Special Yellow Globe. We stake our reputation on this one. An early Yellow Globe introduced by us into the Chicago section recently. Slightly smaller than Southport. It produces a fine market onion. In some places early aphis did no damage to this onion last year, but ruined the later crop.

Pkt., 10c; oz., 25c; 2 oz., 40c; ½ lb., 70c; lb., $2.10.

Apple-Shaped Red Globe. Eastern Grown Seed. Rounder than Southport Red Globe. Very small neck; sound and solid. Color dark red.

Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $3.10.

OHIO YELLOW GLOBE

Vaughan's Eastern Grown Onion Seed

Eastern growers will find our Eastern grown Onion Seed, grown from re-selected onion bulbs, actually winter stored, produces better keeping onions than those raised from California grown seed, and on account of acclimitization the yield is heavier and the type more uniform. In handling our Eastern seed different colors are sown a half mile apart and the seed stored in different houses after harvest. Eastern seed, on account of onion bulb scarcity last spring, is short in supply.

Vaughan's Pedigreed Onion Seed

Prizetaker—American Grown. Amongst large onions this one is exceptional for size and beauty; it is of the same type as the large Spanish onions, imported and sold for high prices. Vaughan's American-grown seed has become finely acclimated through many years of very careful, painstaking culture. Prizetaker is a yellow globe that matures to great size under right conditions; it requires a long season and should be started early in hotbed. When properly ripened it is a good keeper. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75; 5 lbs., $8.00; 10 lbs., $15.50.

Large Red Wethersfield. An onion of very productive habit and a fine keeper. The skin is deep purplish-red, which covers a round, somewhat flattened bulb of purplish-white flesh. Moderately fine grain and mild flavor. In poor soil it does best, growing a thinner neck than in strong soil. It is standard in its class, in the South and Southwest where immense quantities are grown for market. Our seed is carefully selected California grown—none better.
Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.60; 5 lbs., $7.25; 10 lbs., $14.00.

Fancy Yellow Globe Danvers. This onion is a standard amongst the large types; it is early, almost true globe-shaped, beautiful yellow skin, pure white flesh, of very fine quality. It has a good size, and a fine thin neck. Vaughan's strain is so near to globe-shape that it passes for globe on the market, and being several weeks earlier than Southport Globe, it sells for the higher early market prices. The crop ripens uniformly at one time, and its keeping quality is excellent. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75; 5 lbs., $8.00; 10 lbs., $15.50.

Ailsa Craig—Vaughan's Selected Stock. A winning sort, gaining in popularity every season, because it makes money for the growers. This onion has individual merit by which it has secured, and retains, recognition. It has a handsome appearance, being large—12 have been known to weigh 30 pounds—it has fine straw-colored skin; these qualities make it excellent for exhibition purposes, in which it is a successul competitor of large, imported Spanish onions. The shape is globular and it forms a fine thick neck which tells of its bred-in fine quality; it is, for a large onion, a splendid keeper; for eating raw it has no superior, it is mildly pungent in flavor, sweet and desirable.
Pkt., 15c; oz., 40c; ¼ lb., $1.15; lb., $3.75.

Onion, Giant Gibraltar. A variety similar to Prizetaker. We offer American-grown seed raised from bulbs produced from European seed. The strain runs slightly larger in size than the usual run of Prizetaker.
Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., $2.60.

Yellow Globe Danvers. Same as Fancy Y. G. Danvers, except that it does not run as globe-shaped, but color, ripening and keeping are identical.
Pkt., 5c; oz., 20c; ¼ lb., 40c; lb., $1.35; 5 lbs., $6.00; 10 lbs., $11.50.

Yellow Flat Danvers. A standard onion with many splendid qualities; a valuable general crop sort. It is of a medium size, quite thick through, but flattened, has coppery yellow skin, and creamy white flesh which is mild and of pleasant flavor. It combines large yield with very even ripening quality.
Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.35; 5 lbs., $6.00; 10 lbs., $11.50.

Mammoth Silver King. Averages 15 to 22 inches in circumference and weighs 2½ to 4 lbs. It matures early and is uniformly large and of good shape; flat, but thick. Skin is clear silvery white, flesh snowy white, tender, sweet and mild. Ideal for exhibition, fancy market or table.
Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.35.

Crystal White Wax. This is a pure white flat onion, very popular in the South, especially in Texas. Also does well in the north. Very sweet. Teneriffe seed.
Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $3.00.

AILSA CRAIG

A SURE PRIZE WINNER

LARGE RED WETHERSFIELD

White Bermuda. In Bermuda and Texas a great many carloads of these very large onions are produced annually; they are shipped North for early spring use. Our imported Teneriffe seed gives best results. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.35.

FANCY YELLOW GLOBE DANVERS

For home or market gardens it is equally popular and standard.

YELLOW FLAT DANVERS

Vaughan's Northern Seed Potatoes

VAUGHAN'S IMPROVED EARLY OHIO

FOR more than twenty years we have had our Early Seed Potatoes produced in the Red River Valley of the North in Minnesota and Dakota. To-day Vaughan's Red River Valley grown true to type Early Seed Potatoes are the standard of quality throughout the country. We have found these are earlier, more vigorous and better yielders than any grown elsewhere.

For the Home Garden—Early Ohio and Irish Cobbler are the best early varieties, the former in the east and the latter in the west. One of the rural type is recommended for the late crop.

The prices in this catalogue represent values at the time this book went to press and are subject to market changes. Write for latest market quotations. We are large carload handlers of potatoes and are always in line with the prevailing market. On a quality basis we can always meet competition. Get our figures on large lots before ordering elsewhere.

Early Bovee A pink-skinned white-fleshed early of the very best quality and an excellent producer. Thrives in rich soil. ½ pk., 50c; pk., 85c; ½ bu., $1.50; bu., $2.50; 100 lbs., $3.85; sack (2¾ bu.) $6.00.

Early Rose An old standard, rather long pink-skinned early potato. Northern grown, prolific and hardy seed. ½ pk., 50c; pk., 85c; ½ bu., $1.50; bu., $2.50; 100 lbs., $3.85; sack (2¾ bu.) $6.00.

Vaughan's Improved Early Ohio (Red). A week to 10 days earlier than other strains of the same variety. The reason for this is not only in the great care with which our seed is selected, grown and housed, but it is produced under conditions which are the most favorable in the Red River Valley of Minnesota the natural home of high-class potato seed. In the middle west Vaughan's seed produces earlier and better yields than native seed, no matter how carefully selected.
½ pk., 50c; pk., 85c; ½ bu., $1.50; bu., $2.50; 100 lbs., $3.85; sack (2¾ bu.) $6.00.

Irish Cobbler—Early Heavy Cropper. An early of medium size, and in light soil maturing almost as soon as the smaller cropping Earlies Its size, shape, good quality and appearance commend it. Our seed is grown in Red River Valley, Minnesota, and is superior to strains grown elsewhere.
½ pk., 50c; pk., 85c; ½ bu., $1.50; bu., $2.50; 100 lbs., $3.85; sack (2¾ bu.) $6.00.

Bliss or Red Triumph. For more than a decade this has been the standard early potato in the South. It is a round, reddish skinned potato, rather deep eyes and of medium size. As they appear early in the spring on the northern market they are very attractive and, of course, command a large premium over old stock.
½ pk., 60c; pk., $1.00; ½ bu., $1.85; bu., $2.75; 100 lbs., $4.00; sack (2¾ bu.) $6.35.

Acme. A potato of the Ohio type, in fact, similar to that variety as it is now grown in the Northwest. Usually runs earlier than the old type of Early Ohio and is more prolific. Splendid for both market and amateur gardens
½ pk., 50c; pk., 85c; ½ bu., $1.50; bu., $2.50; 100 lbs., $3.85; sack (2¾ bu.) $6.00.

Nebraska—The Best Rural Type. This is the heaviest cropping main crop flat white potato. Particularly adapted to the prairie soils of the Middle West. Three hundred bushels per acre yields are not uncommon under favorable conditions. In Michigan, Northern and Central Colorado, Illinois, Nebraska, for a series of years, the Nebraska has out-yielded all standard kinds. The vines are very broad and produce an immense growth of luxuriant foliage. The tubers are flat, somewhat flatter than Carmen or Rural type; size larger and quality superb.
½ pk., 50c; pk., 85c; ½ bu., $1.50; bu., $2.50; 100 lbs., $3.85; sack (2¾ bu.) $6.00.

WOODBURY'S WHITE ROSE

Woodbury's White Rose (Early). A splendid early potato A seedling from "Early Rose." It is right in size, beautiful kidney-shape with pure white skin and flesh. The vines are vigorous and resist early blight, and the yield is double that of some other extra early sorts.
½ pk., 60c; pk., $1.00; ½ bu., $1.85; bu., $2.75; 100 lbs., $4.00; sack (2¾ bu.) $6.35

Rural New Yorker, No. 2. Very large, usually smooth, oblong inclining to round, and rather flattened. Skin and flesh white; quality excellent, season intermediate. Tubers of great uniformity in size, almost every one marketable. Known everywhere as "Dusty" Rural.
½ pk., 45c; pk., 75c; ½ bu., $1.40; bu., $2.25; 100 lbs., $3.40; sack (2¾ bu.) $5.25.

Russet Rural or Petoskey. A superb late variety of recent introduction. Remarkable on account of its freedom from disease. This variety is an excellent yielder. It possesses an attractive russet skin and the tubers, which are white, are very regular in size and unsurpassed for cooking qualities. There is practically no waste in peeling as the eyes are almost on the surface. Certified Michigan-grown seed.
½ pk., 50c; pk., 85c; ½ bu., $1.50; bu., $2.50; 100 lbs., $3.85; sack (2¾ bu.) $6.00.

Sir Walter Raleigh. This is an improved Rural New Yorker No. 2. Yields almost all marketable sized potatoes, which are a little earlier and of better quality than Rural. Exceedingly fine-grained and white-fleshed. Michigan-grown certified stock.
½ pk., 50c; pk., 85c; ½ bu., $1.50; bu., $2.50; 100 lbs., $3.85; sack ((2¾ bu.) $6.00.

Carman No. 3. One of the most popular of the Carman group of potatoes. A white, flat variety, which sets its tubers very close to the top of the soil, thus giving good yields in clay soil where other varieties fail. Carman No. 3 grows to the largest size of these sorts.
½ pk., 50c; pk., 85c; ½ bu., $1.50; bu., $2.50; 100 lbs., $3. 85; sack (2¾ bu.) $6.00.

Green Mountain. After careful trials we list this as the most desirable of the cylindrical late potatoes. It is especially suited for loose soils or muck land. As the tubers set rather deep, it is not so good on heavy or clay lands as the crop is liable to run undersized. On loam the tubers run uniformly large. It cooks dry and mealy with a particularly fine flavor; some growers claim "Bug Proof." It is an immense yielder. Michigan-grown certified stock.
½ pk., 50c; pk., 85c; ½ bu., $1.50; bu., $2.50; 100 lbs., $3.85; sack (2¾ bu.) $6.00.

SWEET POTATOES

Grown Especially for Seed

We can offer Yellow Jersey (the most popular Northern sort), Red Jersey, Red Bermuda, Early Carolina and Nansemond.

Yellows. 10 lbs., $1.00; 50 lbs., $3.25; 100 lbs., $6.00.

Reds. 10 lbs., $1.10; 50 lbs., $3.50; 100 lbs., $6.50.

N. B.—Owing to perishable nature of these tubers we ship by express only.

Vaughan's Peerless Peppers

LIKE egg plants and tomatoes, peppers should be started indoors, as they take four to five months to mature. They are easy to grow, thrive in cool weather and will endure some frost. The plants should stand eight to eighteen inches apart in rows. They are constantly becoming more popular, both in salads and for use in cooking. A dozen plants will supply an average family.

Vaughan's Giant Magnum Dulce. This grand pepper has appropriately been styled the "Salad King." But it is not in salad form alone that it excels, for there are other forms in which to prepare it. The seeds having been removed it may be stuffed, either with dressing as used in fowl or with meat, such as ground steak with onions or other seasoning. Sliced and fried as egg plant, it is a delicious dish, or it may be eaten raw, it is so mild. Vaughan's Magnum Dulce Sweet Pepper can be grown to immense size. Seven inches long and 4 inches through, but when grown so large the yield is small. To get a large yield of medium sized peppers, pinch off the "king flowers," the first ones to open. Vaughan's Seed of Magnum Dulce is saved from picked specimens.

Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., $2.25.

New Sweet Upright Salad. Is an early, prolific, good sized, sweet, mild, pepper; so mild indeed that it may be eaten raw. In the northern states it is a most desirable sort; in habit the bushes are of medium height, and bear the peppers upright, not drooping. The size being medium they are just right for stuffing and frying; the bright glossy green color, which turns to a waxen red when ripe, makes this a very attractive pepper. Buy Vaughan's Seed—the best.

Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., $2.00.

Crimson Giant, Early Pepper. An especially desirable sort for the Central States as it matures the earliest of all the large red sweet peppers. In habit the plant grows two and one-half feet high and bears a large quantity of fruits. The peppers are large, run even in both size and shape. The color is deep green when young and a rich red when ripe; flesh thick, sweet, and mild.

Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., $1.75.

Chinese Giant. This standard variety is larger than "Ruby King," but not so large as "Magnum Dulce." It is very prolific for so large a pepper. The productiveness may be increased by pinching off the first or "King blossoms." The fruit grows 4 to 5 inches broad on top and of equal length, and quite uniform in size; the flesh is unusually thick, mild flavor and makes a very fine salad sliced and served like tomatoes. The color is green turning to glossy scarlet when ripe.

Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., $2.00.

RUBY KING. One of the most popular varieties, growing 4½ to 6 inches long, 3½ to 4 inches thick. The peppers are a bright ruby-red and are among the best sorts for pickles. Quite sharp in flavor; the flesh is thick, crisp and tender. Pkt., 10c; oz., 50c; ¼ lb., $1.60.

VAUGHAN'S SWEET MOUNTAIN The fruit when young is a bright, deep green, without shade of purple; when ripe a handsome red. The habit of growth is strong and it is very productive; the flesh, though sharper than "Upright Sweet Salad," is very mild and thick. The peppers often grow 6x4 inches. Pkt., 10c; oz., 50c; ¼ lb., $1.60.

NEAPOLITAN. A great market variety on account of its earliness and productiveness. Two weeks earlier than Bull Nose. The fruit is of good size growing on a vigorous stalky plant. The flesh is quite thick and mild. Color a light green changing to a bright red. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.60.

PIMENTO. Flesh extremely thick and very mild. Must be started early in the North to mature its fruits fully. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.60.

Pepper Plants Started in our Greenhouses and ready to be set out in the Garden will be ready about May 15. See page 95.

VAUGHAN'S MAGNUM DULCE PEPPER
THE LARGEST OF ALL.

VAUGHAN'S SUGAR PIE PUMPKIN

OTHER PEPPER SORTS

BULL NOSE. Large blocky fruit.

CAYENNE. Long red; very hot.

CAYENNE PICKLING. Dwarf; up right.

ELEPHANT'S TRUNK. Long scarlet.

MAMMOTH GOLDEN QUEEN.

GOLDEN DAWN. Mild yellow.

TABASCO. Hottest of all. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., $1.75.

RED CHILI. Good hot pickling.

RED CLUSTER. Small and pungent.

RED CHERRY. Fruit small; good pickler.

SWEET SPANISH MONSTROUS. Price of the above: Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.60.

Pumpkins

LIKE melons, squash and cucumbers, pumpkins should be sown when the ground is warm and the plants need plenty of room to ramble. The partial shade of the sweet corn plot is an ideal place in the home garden. A few hills will provide amply for pies and jack-o'-lanterns for the fall festivals.

Vaughan's Sugar Pie Pumpkin. (See cut.) Is so well known as the best pie pumpkin it requires little description. The fruit is small to medium size, with solid fine grained flesh, and such a sweet, sugary, delicious flavor they all call for "more"; the seed cavity is small.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.35.

Vaughan's Mammoth Prize. A really enormous variety; specimens have been grown as large as 200 lbs. Notwithstanding its immense size it is among the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a late corn season to mature, needs plenty of room (one plant to a hill) to reach its largest size.

Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., $1.75.

Winter Queen or Winter Luxury. Generally regarded as the finest quality pie pumpkin. Besides its high quality it is the best Winter keeper of all. In size about nine or ten inches in diameter; its skin is a beautiful deep orange-yellow with a close netting as russetty as a potato.

Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 45c; lb., $1.50.

Small Sugar. Flat sort, good for the home garden. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.25.

LARGE CHEESE. Of large size, shape flat like a cheese box; very productive. Keeping quality excellent, extra well flavored and sweet. A good sort for pies as well as stock feeding. Skin buff color; flesh yellow. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 95c.

LARGE FIELD OR "BIG TOM." The standard pumpkin grown in corn fields to make a feeding crop for cattle. The vines are strong, vigorous and wonderfully prolific. Fruit averages fifteen to twenty inches in diameter. Smooth, hard, reddish orange skin with rich orange-yellow flesh. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.00.

JAPANESE PIE. Finest quality, good keeper. Pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 45c; lb., $1.60.

GOLDEN OBLONG. Orange color Flesh yellow, excellent flavor. Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 45c; lb. $1.40.

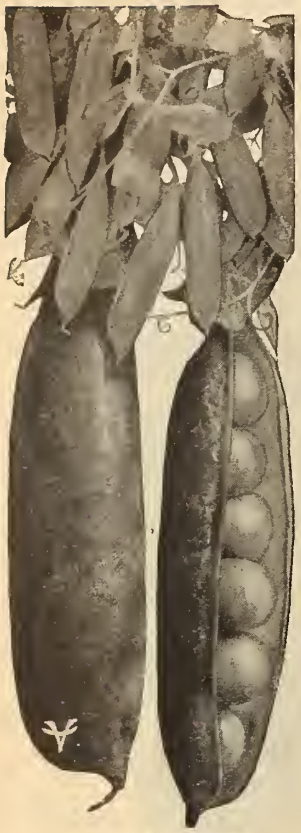
SWEET POTATO. Bell-shaped. White flesh. Used for pies. Pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 50c; lb., $1.60.

LARGE TOURS OR MAMMOTH FRENCH. Very large size. Pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 50c, lb., $1.50.

QUAKER PIE. Pear-shaped. Rich flavor and good keeper. Pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 50c; lb., $1.65.

CUSHAW WHITE OR CUSHAW STRIPED. Popular southern sorts; fine flavor. Either one: Pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 50c; lb., $1.65.

Vaughan's Early Dwarf Peas



LITTLE MARVEL

PEAS are a cool-weather crop. They should be sown when the ground is ready to work, without delay. The smooth seeded sorts will stand cold and freezing weather without rotting in the ground, but they are not so tender or sweet on the table as the wrinkled kinds, which are more risky in the wet soil but still worth taking a chance to get early. Dwarf peas are best suited for the garden where space is scarce. They are early and bear well. It is important to have rich soil, somewhat light, and to give plenty of water if a full crop is to be produced. It will put to use a balanced commercial fertilizer in the row when the seeds are sown. Do not crowd the seed. It is better to sow in single rows, with two inches between each seed, or in double rows, the rows six inches apart, and seeds two inches apart. Closer sowing will produce no greater crop. Peas must be cultivated faithfully and when the first crop is finished, they should be pulled up for they will bear no more.

For the Home Garden—Little Marvel, Laxtonian, Vaughan's Top O' the Morn and American Wonder are excellent dwarf varieties requiring no support and yielding well.

New Pea, Laxtonian. The New Dwarf Gradus. This is another of Vaughan's Specials that has proved itself a winner for gardeners. It is extra early, tall, has large pods like "Telephone," which are filled with the finest flavored peas. Laxtonian is in season a few days later than the first earlies. It is really a Giant Podded Early Dwarf in a class almost by itself, for size, appearance and productiveness. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.

Vaughan's New Pea, "Top O' the Morn." This is one of the best of the new Dwarf Giant Podded Peas. The vines are of a deep green color, growing 18 inches in height. The pods are blunt-ended, like Nott's Excelsior or Little Marvel, and are produced in clusters all up the haulm.
Pkt., 10c; lb., 35c; 2 lbs., 65c, 10 lbs., $2.65.

American Wonder. Is an extra early dwarf wrinkled pea, of standard quality. The vines are dwarfer than Nott's Excelsior, being only 10 to 12 inches high. Pods are firm and well filled with peas of splendid quality.
Pkt., 10c; lb., 25c; 2 lbs., 55c; 10 lbs., $2.10.

Extra Early Premium Gem or Little Gem. An early dwarfed wrinkled pea, not so upright in habit as "American Wonder," but the vines, which grow 16 to 18 inches high, require no support, and yield great quantities of pods. 3 inches long, filled with peas of fine quality.
Pkt., 10c; lb., 25c; 2 lbs., 55c; 10 lbs., $2.00.

Laxton's Superb Pea. This is a semi-wrinkled, extra early dwarf pea; permits early planting as it does not rot in the ground as fully wrinkled peas do. The pods are very large and borne in profusion.
Pkt., 10c; lb., 35c; 2 lbs. 65c; 10 lbs., $2.75.

Little Marvel. The most satisfactory pea in the average home garden. In season it is the same as Nott's Excelsior and American Wonder. The big point in its favor is that it remains in prime picking condition a week longer than the older sorts. Very productive, hardy, luscious and sugary. Vines 18 inches, pod dark green, well filled. Pkt., 10c, lb., 30c; 2 lbs., 60c; 10 lbs., $2.25.

Nott's Excelsior. Almost as early as the round seeded varieties—only 2 to 3 days later—but far superior to them in quality. Vines about 15 inches high, pods about 3 inches long, each containing 5 to 7 peas of good size, tender and delicious. The vines are vigorous and very prolific. It is easily grown, requires no support and is desirable for the home garden.
Pkt., 10c; lb., 25c; 2 lbs., 55c; 10 lbs., $2.10.

HORSFORD'S MARKET GARDEN. Our strain of this sort is very popular with growers. It is later than "Advancer," grows taller, requires no brushing, and is a heavier producer. The pods are well filled with peas of fine quality. Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., $1.75.

JUNO OR DWARF CHAMPION. Main crop dwarf wrinkled pea, of hardy, vigorous and prolific growth. Long pods, each contain 7 to 10 peas of very best quality. Pkt., 10c; lb., 30c; 2 lbs., 55c; 10 lbs., $2.10.

VAUGHAN'S SWEET MARKET. An excellent main crop pea. Its season follows right after the Extra Earlies and continues to bear much longer than most varieties. Very prolific and of fine quality. 2½ feet, strong vigorous vines, many bearing 50 pods. Pods 3½ inches long, filled with 7 to 9 peas. Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., $2.25.

McLEAN'S ADVANCER. Is a favorite with market growers and canners who consider it the best producer of mid-early sorts. McLean's Advancer is very productive, vines 30 inches high, pods full of fine peas of excellent quality. Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., $1.75.

DWARF TELEPHONE OR DAISY. A mid-season maturing sort of merit; vines are dwarf and bear large, bright green pods, each contains 7 to 9 peas of finest quality. This is a splendid variety, of which we offer a high-class re-selected stock. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.65.

IMPROVED STRATAGEM. Long dark green pods, produced on vines 2 feet high, of strong vigorous growth; matures mid-season; pods are filled with peas of immense size, and delicious sweetness and flavor. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.

Albert Lea, Minn
"We tried Vaughan's Milwaukee Market Muskmelon last year with wonderful success and we want to plant this year a quarter of an acre."
PAYNE INVESTMENT CO.

THREE DWARF PEAS, RIPENING IN SUCCESSION

At the special prices given below (except No. 1) buyer pays express charges).
Little Marvel. (First). Dwarf Defiance (Second.) Heroine (Third).

No. 1. 1 pkt. of each 25c prepaid....
No. 2. 1 lb. of each (3 lbs).....$0.75
No. 3. 2 lbs. of each (6 lbs) $1.50
No. 4. 10 lbs. of each (30 lbs) 6.00

Inoculate your seed peas with "Nitragin"—nitrogen-gathering bacteria, **See page 98.**

DWARF DEFIANCE

VAUGHAN'S DWARF DEFIANCE. Pea growers cannot afford to overlook this splendid main crop success; it is without a superior, a grand second early. The vines are vigorous, the pods dark green and immense in size and fullness, like "Telephone." The handsome pods are filled with peas that are sweet and rich flavored. Pkt., 10c; lb. 35c, 2 lbs., 65c; 10 lbs., $2.50.

HEROINE. A main crop semi-dwarf that is extremely prolific; vines 30 inches high, with luxuriant foliage. Long, pointed, slightly curved pods, filled with sweet, luscious peas. Pkt., 10c; lb., 30c; 2 lbs., 55c; 10 lbs., $2.25. Larger quantities at 10-lb. rate.

PIONEER. "Giant Podded Dwarf." About the same general usefulness as Laxtonian. In some sections this pea has done better than Laxtonian, while in others Laxtonian is in greater favor—pods as large as Gradus; almost if not quite as early. The peas are large and of superb flavor. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.

SUTTON'S EXCELSIOR IMPROVED. Is a very fine first early dwarf pea, regarded by some as the best of the wrinkled sorts. It is very hardy; can be planted early; vines are 18 inches high, very prolific; pods are almost square at lower end, larger and broader than the usual dwarf pea, and dark green color. Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., $2.25.

# of Smooth and Wrinkled Types

THOMAS LAXTON

A HEAVIER yield without sacrificing quality is obtained from the varieties of peas which require some support. The early varieties listed on this page grow to three feet high and should be given support of chicken wire, or brush between companion rows. The smooth podded sorts may be sown first, and if not allowed to mature too much will be found to be of the finest table quality.

For the Home Garden—Maud S. and Alaska for the smooth-seeded sorts and Gradus and Thomas Laxton of the wrinkled type are excellent varieties.

Gradus—Vaughan's Re-selected Stock. Gradus is the greatest of the wrinkled peas; it is large and in flavor equal to the best wrinkled kinds. A table luxury and delight which retains its color and fine appearance after being cooked. It is the most popular of all the extra early wrinkled peas. It is tender and should be planted in the warmest spot in the garden; it matures fully two or three days later than the hard round extra early sorts. Vines 30 inches, pods 4 inches long, beautiful green color, with 10 or more rich, tender peas in each.
Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.

New Pea, Marchioness. A valuable addition to the tall early varieties. It may be briefly described as an Extra Early Gradus. The pods are of equal size to Gradus and the season several days earlier. Quality superlative. Plant this and be the first on the market with a good sized quality pea.
Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., $2.75.

Thomas Laxton. This is a selection of Gradus; the season is identical with Gradus, but the pods are square at the end and deeper green. Vines are 3 to 3½ feet high. The main qualities of Gradus are reproduced in this strain and it can be recommended with confidence for home garden. A better yielder than Gradus.
Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.

Vaughan's Late Gradus. This is a special Gradus Pea, bred to fill a special place and time. It comes in between the last of the Gradus and the first of the Telephone. It possesses all the attractiveness and fine qualities of the earlier Gradus with the productiveness of the later sorts. It is a most important introduction for market gardeners.
Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.

Alaska—Called Earliest of All. In season same as "Maud S." Alaska and "Maud S" are in all but color the same; Alaska seed is bluish in color; it is standard for market and canning. Vaughan's strain is true, always reliable and gives best results. Round seed peas do not rot in cold ground so easily as wrinkled peas do, hence earlier planting and harvesting are possible.
Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., $1.85.

GRADUS PEA

PEAS and SWEET CORN are the most delicious of all the home garden products.

Intercliffs,
Montpelier, Ia.
I am sending under separate cover two specimen cucumbers "The Vaughan." The vines had an unusually hot and dry summer without irrigation in my vegetable garden. They bore through the heat and the vines are still bearing fruit the size and texture of those I send. Thinking you may be interested on account of the unfavorable season, I am sending them. Yours truly,
ELIZABETH G. JUDY.

ALASKA or EARLIEST OF ALL

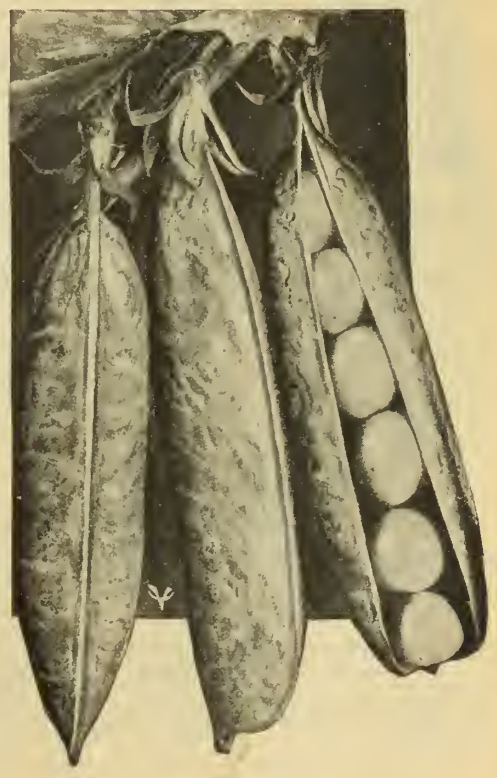
SURPRISE—The Earliest Pea of Quality. In season two days later than Alaska. Being a wrinkled pea, it cannot be planted in soil so cold as smooth peas, like Alaska or Maud S, because not so hardy. Vines grow 24 inches high, require no brushing; the pods are of good size. Pkt., 10c; lb., 30c; 2 lbs., 55c; 10 lbs., $2.00.

VAUGHAN'S SELECT EXTRA EARLY MAUD S. Vaughan's strain of this excellent sort should be planted by every grower. Vines are 20 to 26 inches high, pods 2½ to 3 inches long, each having 5 to 7 peas. The delicious sweetness, rich flavor, and tenderness of Vaughan's Maud S are the qualities for which our strain is known by growers and consumers. Seed white, round and smooth; crop ripens evenly and extra early. Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., $1.85.

FIRST AND BEST. Not quite as early as Maud S, a trifle larger and a heavier yielder. Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., $1.85.

THE AMEER. Very popular with truckers in certain sections of the South. The peas are smooth and therefore can be planted early without rotting. The season is early. 2 or 3 days later than Alaska, and the pods are almost twice as large. Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., $1.85.

MARKET SURPRISE—A New Extra Early Pea. A new, smooth seeded, extra early, growing about 30 inches high and bearing its large pods, filled with peas of remarkably fine quality, in great abundance. It is a sturdy grower, with pods larger than Ameer, filled with wonderfully sweet, fine flavored peas. Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., $2.25.



SURPRISE PEA

Remember, 2-lb. lots or less are prepaid. The 10-lb. lots go at buyer's expense. See zone rates for postage needed, page 120.

Vaughan's Tall Growing Peas

IMPROVED TELEPHONE

THE gardener who takes pride in his peas and whose space is unlimited will find the tall-growing sorts unequaled for its length of season, heavy yielding and high quality. Support should be given, and they should be planted with plenty of room. Liberal fertilizing will be well repaid.

For the Home Garden—Improved Telephone and Quite Content will give peas of a size and quality sure to win the envy of your neighbors and the prizes at the garden show.

Vaughan's Improved Telephone. Of the tall growing varieties of late peas, "Vaughan's Improved Telephone" is regarded by experienced and successful growers as the best sort for general purposes. In the home garden its value is attested by heavy yielding and excellent quality.

Uniformly large pods, 5 inches or more long, filled with 8 to 9 delicious peas. The fine, rich, dark green color of the pods gives them the highest market value. The crop maturing evenly makes only a few pickings necessary and ensures the gardener a good profit.

Vaughan's Improved Telephone pea grows 4 feet high; it is a main crop variety, and a heavy yielder.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.

Champion of England. This is a late season tall pea, and as such has long been a recognized standard for best quality, big crop, good sized pods filled with peas of superb flavor. The vines grow about 5 feet high, are very vigorous and productive.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., $2.25.

"Quite Content." This is the largest podded pea, the pods being 5-6 inches in length, quite exceptional for size. It is later in season than "Vaughan's Improved Telephone"; the vines grow 5 to 6 feet high and should be brushed. They yield long pods filled with large peas of fine flavor. A splendid exhibition sort.

Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., $3.00.

Prince Edward. Very large pods. This is an English strain of the "Telephone," selected and bred especially for size of pods. The peas are large and good flavor. Splendid showy variety.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.

Alderman. This mid-season pea is tall-growing of English origin, and a few days later than Vaughan's "Improved Telephone." The pods are very large, straight and dark green color. The vines are exceedingly vigorous and immensely prolific; of the best quality.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.

Increase the yield of your peas by inoculating the seed or soil with "Nitragin"—Nitrogen-gathering bacteria. It is conveniently put up in various sized tins to meet the requirements of home gardeners as well as professional market growers. See page 98.

LONG ISLAND MAMMOTH. Known also as Telegraph. Later and hardier than Telephone, with smooth seeds. The pods are not so large nor the peas of as good quality as Telephone. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.40.

BLACK EYE MARROWFAT (Late). A great yielder of ordinary quality peas. Pkt., 10c; lb., 25c; 2 lbs., 45c; 10 lbs., $1.60.

WHITE MARROWFAT. Similar to Black Eye. Popular heavy yielder. Pkt., 10c; lb., 25c; 2 lbs., 45c; 10 lbs., $1.60.

Everbearing. For late summer and autumn; very prolific variety. Pods about 3 inches long, with large peas of good quality.

Pkt., 10c; lb., 30c; 2 lbs., 55c; 10 lbs., $1.90.

Yorkshire Hero. An old standard variety; vines medium tall, produces a fine crop of broad, well filled pods. Peas are wrinkled, sweet, large and remain a long time in good condition.

Pkt., 10c; lb., 30c; 2 lbs., 55c; 10 lbs., $2.00.

BOSTON UNRIVALED. Of the light colored tall sorts, this is the highest type. A mid-season variety large podded and very uniform, peas of good quality. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50.

TELEPHONE. Standard stock, the pods are light instead of dark green, and are not quite as uniform as our Improved Telephone. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.50

EDIBLE POD PEAS

(Cooked like String Beans)

MAMMOTH PODDED SUGAR. A late, large sugar pod pea of finest quality. Vines 4 to 5 feet high. Pods 5 to 6 inches long. Pkt., 10c; 1 lb., 40c; 2 lbs., 70c; 10 lbs., $3.00.

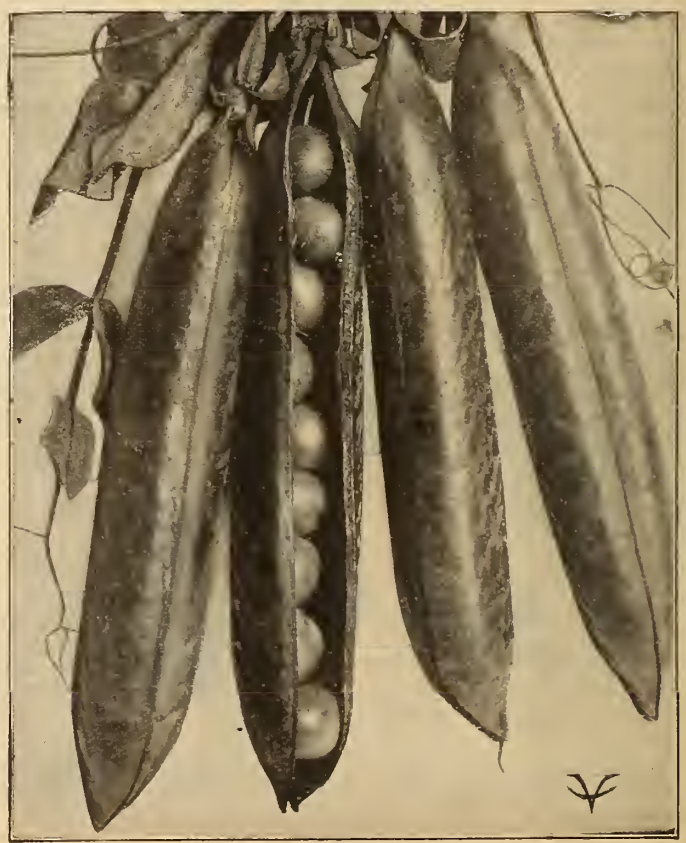
DWARF GRAY SUGAR. Vines 16 inches. Pkt., 10c; lb., 35c; 2 lbs. 70c; 10 lbs., $2.65.

Three tall-growing sorts to be planted at the same time to mature successively.

		Postpaid by Mail	By Express at Buyer's Expense
GRADUS	1 pkt., each	$0.25	
IMPROVED TELEPHONE	1 lb., each (3 lbs.)		$0.75
CHAMPION OF ENGLAND	2 lbs., each (6 lbs.)		1.40
	10 lbs., each (30 lbs.)		6.85

Newton, Iowa.

The Eight Weeks Peas I bought of you made the finest looking rows of peas I ever had—every seed seemed to grow and the vines were very even in height. MISS IOWA CAMPBELL.



"PRINCE EDWARD" ONE OF THE LARGEST PODDED PEAS.

Vaughan's Perfection Parsley

VAUGHAN'S XXX PARSLEY

Soup Plants

Fresh vegetables for soup stocks are one of the luxuries of the home garden. Besides Parsley, Parsnip and Carrots, Leek—the Scotch standby—should be tried. The tops of the Celeriac furnish a fine celery flavor as a by-product to the roots.

Vaughan's **Specials**

We use this sign to indicate sorts which we grow ourselves or stocks which we control absolutely.
THERE ARE NONE BETTER

PARSLEY is one of the vegetables a housewife values most highly in the garden. It is always in demand for garnishing dishes, and often valuable for flavoring soups and stews. It should be sown early because it is very slow to germinate; and it is best to use radish seed mixed with the parsley seed to mark the rows. The parsley will not appear until the radishes are ready to harvest.

Rich and mellow soil is desirable for best results with parsley. When the plants are well up thin to 8 to 12 inches in the row. When the plants of the curled varieties are about three inches high, cut off all the leaves. New growth will start which will be brighter and better curled. Similar treatment may be given from time to time.

The rooted parsley provides excellent flavoring for soups and stews, and also leaves which may be used for garnishing though not so finely curled.

Vaughan's XXX Parsley. "The most beautiful Parsley that ever garnished a dish." An enthusiastic chef gave voice to the above expression as he garnished some dishes of fine table delicacies with sprays of Vaughan's beautiful XXX Parsley. The daintily curled leaves of delicate green, appetizingly fresh and beautiful, add zest and richness to substantial or delicate viands. It is pretty in growth as well as beautiful as a garnish for table dishes. It grows very dwarf in the garden—many of our customers plant it as a border for which it is very pretty; it also is valuable in the hot-bed, greenhouse, or in pots in winter, taking small space. Vaughan's XXX Parsley was chosen after many trials and a careful inspection trip through Europe where the seed is grown. It is the best and handsomest colored parsley yet introduced.
Pkt., 10c; oz. 15c; ¼ lb., 40c; lb., $1.25.

Vaughan's Champion Moss Curled. In England this is a prize winning variety. Robust, compact plants are quickly produced, the leaves are so crumpled and curled as to have the appearance of curled moss, with rich, green color; it is quite hardy, slow to run to seed and may be grown in pots or window boxes. For garnishing dishes and for flavoring purposes it is entirely satisfactory.
Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

FERN LEAVED. Leaves so nicely and delicately cut as to resemble the fronds of a fern. Good green color and nice flavor. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., $1.00.

PLAIN or ITALIAN. The leaves are not curled. However, the flavor is excellent and plant is very hardy. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.

HAMBURG ROOTED or GERMAN. The root resembles a small parsnip and is the edible part of this sort; used for flavoring soups. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.10.

DOUBLE CURLED. A very fine dwarf, handsome green, curled variety. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

Parsley sometimes takes 2 or 3 weeks to germinate. Firm the soil well around the seed after sowing and keep the ground from drying out.

Vaughan's Table Parsnips

PARSNIPS should be grown in every home garden not only because of their delicious flavor, but because they may be harvested at times when the garden has little else to offer. Let them remain in the ground over winter, and dig them during a thaw or when the spring thaw comes—they will be as sweet and tender as ever. A freeze is required to sweeten them. For the best results deep soil is needed, and fresh manure should not be used as it will cause the roots to divide.

Vaughan's Marrowfat Parsnips. The accompanying illustration tells the story of uniform good size, fine shape, clean, smooth skin, and general handsome appearance, which distinguishes this high-class variety. In richness of flavor it is unequaled. For exhibition purposes it is a winner.
Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.40.

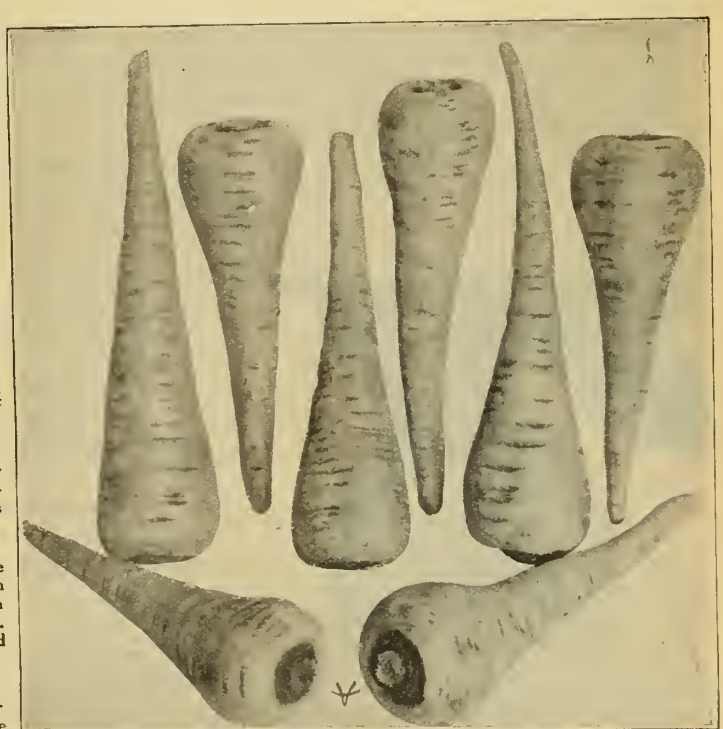
Magnum Bonum. A greatly improved strain of "Hollow Crown" Parsnip. As a money-maker for market men we recommend it. It is a heavy cropper, the roots are smooth, but not so long, though somewhat thicker than the original, which makes them easier to harvest. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

Hollow Crown, Long Smooth. (Abbott's Improved.) Smooth, large, tender and sugary; one of the best. Our strain is a good selection.
Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

Improved Guernsey. An improvement over the parent, "Hollow Crown," than which it is much larger in diameter, but not so long. The roots are more easily gathered. This sort gives general satisfaction. Of excellent sugary flavor.
Pkt., 5c; oz., 10c; ¼ lb., 40c; lb., $1.25.

Vaughan's New Intermediate. This new sort does not require soil so deep for its cultivation as the older sorts. It is quite equal in quality to the older varieties although the roots are only one-half to two-thirds as long under ordinary conditions. On heavy or clay soil Intermediate is especially good. Roots smooth and handsome and easily harvested.
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.65.

"French Endive (Witloof Chicory), see page 17, should be grown like parsnips during the summer. In winter they produce, with little care, a salad of exquisite quality.



VAUGHAN'S MARROWFAT—Handsomest and Best

Vaughan's Special Strains of

VAUGHAN'S SELECT SCARLET GLOBE

(F)—Forcing Sorts

Vaughan's sale of Radish Seed to the many under-glass gardeners—growers of lettuce and radish — runs into thousands of pounds annually. Many of them buy our seed months in advance and keep these special strains always on hand.

RADISHES supply the first home garden harvest in the spring, and winter radishes may be enjoyed as late as New Year. Quick growth is the seeret of sueeess. A rieh, light soil is required. The globe and olive varieties grow faster than the long type, and turn pithy sooner; so they must be harvested promptly and will not enjoy hot weather. The long type grow more slowly and are slower to turn pithy, so they endure heat better. Winter radishes should be sown in June or later and allowed

Early Scarlet Globe Forcing (F). Vaughan's Glasshouse Strain. Market Gardeners ask for Special Catalog. Lowest prices. For hotbed and greenhouse forcing, and out-door planting. Very early, crisp, mild and tender, very attractive and one of the best sellers. This radish is rich bright scarlet in color, of uniform globe-shape and stands heat without becoming pithy. It is ready for the table in 25 days.

Vaughan's Scarlet Globe Radish should be planted in every greenhouse and garden for market as well as home use. For the home, plant every 10 days until into June; again end of August.

VAUGHAN'S SELECT STOCK—Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.35.
STANDARD STOCK—Pkt., 10c; oz., 15o; ¼ lb., 30c; lb., 90c; 5 lbs., $4.00.
5-lb. lots as priced here go at buyer's expense, all smaller lots prepaid.

Scarlet Turnip White Tip. Vaughan's Selected Stock. The exceptional merit of this radish is proved by its popularity, increasing every year with successful market-gardeners, whose orders for Vaughan's Seed run into many thousands of pounds. This radish is a table dainty, crisp, tender and sweet; it is turnip shaped, bright scarlet color, with white tip and is a high-class strain for out-door planting. It combines beautiful appearance with finest radish-quality—appealing to the eye and palate.

VAUGHAN'S "SPARKLER" STRAIN FOR OPEN GROUND—Pkt., 10c. oz., 15c; ¼ lb., 35c; lb., $1.10; 5 lbs., $5.00.
AMERICAN GROWN—Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c; 5 lbs., $3.00.

Earliest White Turnip or White Box. Good for forcing or open ground, tops are short and tap root thin. Pkt., 10c: oz., 15c; ¼ lb., 45c; lb., $1.15.

Vaughan's Cardinal Forcing (F). Is a splendid marketing radish; of the Globe-shaped sorts it is the handsomest; it is larger and more evenly shaped, and has also a richer red colored skin than Scarlet Globe and is ready 3 days earlier. Quality, for eating, firmness and flavor are excellent—for early sowing in the home garden it is a winner.
Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.35.

Improved Breakfast (F). An excellent early olive-shaped radish about 2 inches long, with slender tap root, deep red skin, white tip. Flesh is solid, sweet, crisp and tender, fine for the home garden.
Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

Olive-Shaped Deep Scarlet. Similar to Vaughan's 20-day.
Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

Giant Butter (F). This is by far the largest of the early turnip, forcing radishes, exceeding in size even the Crimson Giant. By careful selection, Giant Butter has been bred true to type so that there is almost no deviation from its fine round shape. In color it is vivid scarlet. A most desirable greenhouse or hotbed variety for forcing—the tops are extremely short and the tap root is small.
Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.25.

Vaughan's 20-Day. Extra Early (F) Olive-Shaped. The quickest Red Olive-shaped radish, matures 20 days after sowing; has attractive, bright scarlet skin, white, sweet, crisp and tender flesh. Leaves being short permits close planting. Fine for outdoor planting or forcing. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

CRIMSON GIANT (F). For forcing or outdoor planting. Although twice the size of other forcing sorts this does not get pithy or hollow; the skin is crimson, flesh is white, tender, crisp and sweet-flavored. Sow seed thinly to permit root growth. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.15.

VAUGHAN'S ALL SEASONS. May be sown from spring to autumn and used at all stages of growth; a round scarlet radish. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.25.

EARLIEST WHITE OLIVE (F). Earliest of all radishes—matures in 15 to 18 days after sowing. This sort is pure white, oblong shape with small tops—can be planted close; a very tender radish. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

EARLIEST CARMINE TURNIP (F). The best and quickest all red turnip-shaped radish, matures in about 21 days. For forcing under glass it excels, and for outdoor planting in the home garden it is one of the best varieties. Crisp, sweet and tender, leaves very short. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.15.

TRIUMPH. A very early, handsomely mottled red and white striped, short topped radish of good quality, especially attractive. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.15.

EARLY SCARLET GLOBE WHITE TIP. Best and quickest of the white tips; fine quality. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

Vaughan's Olive Crystal — so-called May Radish—we shall be able to offer again next season.

VAUGHAN'S 20-DAY

OVAL YELLOW MAY. A new sort, fine quality. Pkt., 5c; oz., 15c; ¼ lb., 45c.

NON PLUS ULTRA (F). Scarlet turnip-shaped. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

OTHER GOOD RADISH KINDS

Price, any of the following: Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

FRENCH BREAKFAST. Quick and handsome.
MIXTURE. Turnip and olive-shaped varieties.
EARLY DEEP SCARLET TURNIP. An old standby.
YELLOW TURNIP. A summer variety.
GOLDEN -YELLOW SUMMER Turnip. Smooth.

Onion Sets, producing the sueculent "Early Green Onion," is the one crop which offers quicker returns than radishes in the garden—page 27.

Vaughan's "Sparkler" Strain of White Tip Radish has no superior. It has been carefully selected to meet the requirements of critical eastern gardeners who plant it extensively and buy their seed from us.

SCARLET TURNIP, WHITE TIP
"SPARKLER" STRAIN

Radishes for Home and Market

to develop in the cool, moist fall weather. They may be stored like turnips for winter use.

Root maggots sometimes attack radishes. The best way to avoid them is to reject rank manure for the radish bed and sow on ground where no root or cabbage crop grew the year before. A succession of crops may be obtained either by sowing the olive or globe or long types simultaneously, or by making successive sowings of a favored variety, remembering that little success will be had with earlier sorts in the hot weather.

Icicle—The Finest White Radish. An ideal white radish—long slender root which remains crisp and mild until grown large. It matures early with short top, which permits close planting and forcing. Many of our customers say it is the finest radish they have ever grown. Plant every 10 days for succession. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 85c.

WOOD'S EARLY FRAME (F). An early forcing variety of long scarlet; has short top, especially selected for growing under glass. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

HALF LONG DEEP SCARLET (F). This is good for forcing, it is brittle and mild. It is much grown in the South for early shipment. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

BRIGHTEST LONG SCARLET. This is a home garden favorite; the body is brightest scarlet color, which blends downward to a long tip of pure white. Usually ready for the table in 25 days from planting. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; by express, not prepaid, $2.75.

EARLY LONG SCARLET SHORT TOP. A long, straight, smooth, red radish; it grows partly above ground; it develops long roots, tender, crisp and sweet. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

VAUGHAN'S MARKET. (Half Long White.) The best early half-long white radish, tender, brittle, delicate flavor, resembles Strassburg in size, grows more quickly, delicate and fine. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 80c.

CINCINNATI MARKET. A long red radish, white tip, short top. If your market uses a long sort try this one. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 80c.

EARLY LONG SCARLET SHORT TOP

SUMMER RADISHES

Grow larger than early radishes and remain in good condition longer. All of the following: Pkt., 10c; oz., 15c; ½ lb., 25c; lb., 80c.

IMPROVED CHARTIER. Somewhat resembling brightest scarlet. It is double the size and later; long scarlet tipped with white.

LONG WHITE VIENNA. Snow white, very brittle and crisp.

WHITE STUTTGART. A turnip-shaped, large white radish.

WHITE STRASSBURG. Larger size and thicker than Vienna. Very solid.

IMPROVED BREAKFAST (See page 36)

Radishes must be grown quickly without check and will consequently require rich, mellow soil. One very good commercial fertilizer for early crops and Radishes is found in Vaughan's 3 8-1 Fertilizer Mixture described on page 109.

(F)—Forcing Sorts

The early or forcing Radishes must have short or minimum tops so that all of the efforts of the plants are used to produce roots in the shortest possible time. This has been accomplished by careful breeding and the selection of those parent plants which transmit this characteristic. Continuous re-selection and transplanting so inspection of each plant is possible is necessary to produce the better strain. Vaughan's Early Radishes are so pedigreed, and grown in those parts of the world where environment is favorable.

ICICLE RADISH

WINTER RADISHES

Do not sow these until the latter part of June.

THE MUNICH. Grows from 6 to 8 inches in length; broad at the shoulder, white thin skin; mild and delicious. Very short crop. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.35.

Each of the following: Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

CALIFORNIA MAMMOTH WINTER. Long, very large size.

ROSE OR SCARLET CHINA. Rose, medium size, fine keeper.

CHINESE MAMMOTH OR CELESTIAL. Immense size, flesh always crisp and mild.

BLACK SPANISH, LONG. Black skin and white flesh.

BLACK SPANISH, ROUND. Like long black, only round.

LONG HALF BLACK WINTER. Fine sort. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., $1.00.

LONG WHITE SPANISH. Like Long Black, except color.

SAKURAJIMA. A Japanese radish of immense size. In shape it is oval with cream colored skin and pure white flesh. The roots are cooked like turnips, but have no strong taste. Sow in May. Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., $2.00.

SALSIFY, OR OYSTER PLANT

THOUGH not as generally grown as it should be, this is, when cooked, a really delicous vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. Roots for winter use should be lifted in the fall while those for early spring use may be left in the ground, but lifted before they start to grow. Salsify is boiled like parsnips or carrots, or after half boiling can be grated and made into flattened balls and fried like oysters.

Mammoth Sandwich Island. This variety is much more uniform in growth than the old standard "Long White" Variety; it is twice the size and weight; the roots are of superior quality and most delicate flavor. Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., $1.75.

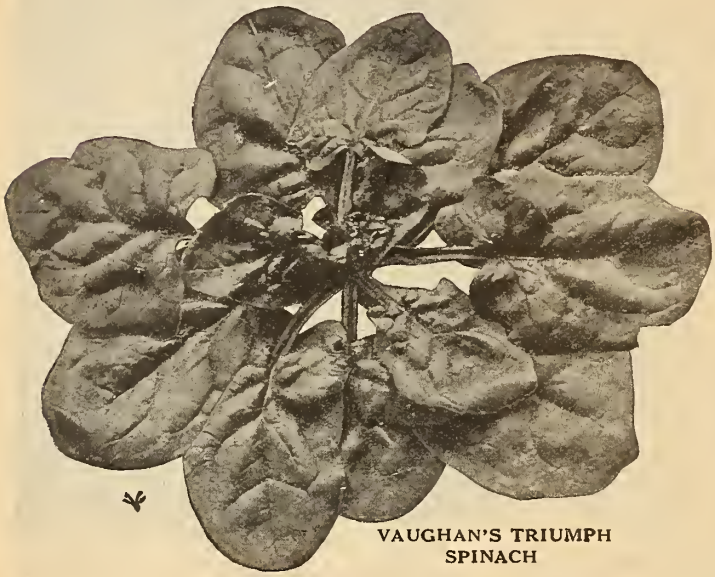
Long White Salsify. Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., $1.75.

Scorzonera, or Black Salsify. Considered by many better than white salsify. Somewhat harder to raise, although cultivated in the same way. Pkt., 10c; oz., 30c; ¼ lb., 85c.

Rampion—A New Salad. Both the roots and leaves make a delicious salad. Pkt., 10c; ½ oz., 15c; oz., 30c; 2 ozs., 55c.

SALSIFY, MAMMOTH SANDWICH ISLAND

Vaughan's Spinach and Swiss Chard



VAUGHAN'S TRIUMPH SPINACH

SPINACH delights in cool moist weather. Seed should be sown at the earliest possible moment in spring in rows one foot apart and thinned to six inches in the row. It matures in 45 to 50 days and quickly runs to seed in warm weather. The Antvorskov variety listed in our Vegetable Novelty pages is most free from this tendency. Home gardeners have generally adopted Swiss Chard and New Zealand Spinach as a greens crop, as both may be cut many times and will produce a continuous crop until freezing weather in the fall. A fall crop of spinach may be sown in late July or August and will find the cool, moist autumn weather favorable for growth. The value of spinach in the diet has been scientifically established by the vitamine investigation.

BLOOMSDALE OR NORFOLK SAVOY-LEAVED. Is a very hardy sort; the leaves are very thick and blistered, making it a fine shipper; it is a good standard size, and a great favorite with southern truckers. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

EXTRA LARGE ROUND LEAF. Large crumpled leaves. This is one of the best for early use, and if sown again in August is hardy enough for late autumn use.

PRICKLEY-SEEDED. Very hardy; sow in fall; for late use.

BLOOMSDALE. Identical with Vaughan's Norfolk Savoy.

LONG STANDING. Of compact growth with thick deep-green leaves Slow to seed.

MONSTROUS-LEAVED VIROFLAY. Quick, strong growth. N. Y. favorite.

Price of the above, except where noted. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

New Zealand Spinach (Tetragonia Expansa).

While this is not a member of the Spinach family proper, it may well be classed as such, since it furnishes an abundance of delightful "greens" throughout the summer and right up to cold weather. Both the leaves and the stalks of the plant are very fleshy and extremely brittle and of the finest quality when cooked. Do not sow seed until May 1st or when the soil is fairly warm, as it is susceptible to cold and will not germinate in cold soil. Plant in rows 3 feet apart and thin the plants to stand two feet apart in the rows. Soak the seed before sowing.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.15.

Swiss Chard—The City Garden Friend.

Large leaved Sea Kale. This vegetable gives maximum returns for little care and space; it yields a constant crop from July to winter. If your garden space is limited, Swiss Chard must have a place, for in proportion to ground occupied, Swiss Chard produces more food for the table than almost any other vegetable. The leaves are used for greens the same as spinach or beet tops. Sow early in spring, in rows 16 inches apart, and thin out to 6 inches in the rows. It can be used all Summer when spinach is not available. The leaves grow very large, with broad, flat, pure white stems, and mid-ribs, which may be cooked like asparagus, or made into very good pickles. As it grows, thin out for use and keep clear of weeds. Good cultivation increases its tenderness. Gardeners use Swiss Chard as a catch crop, giving quick results on temporarily idle spaces. The investment is small and returns large. Our packages contain recipes for cooking.

Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., $1.00.

12 VEGETABLES GIVING GREATEST RETURNS FOR LEAST SPACE AND LABOR.

Beans. Stringless Greenpod.
Beets. Vaughan's Fire Ball
Carrot. Early Chantenay.
Sweet Corn. Golden Bantam.
Cucumber. Davis Perfect.
Lettuce. Black Seeded Simpson.

OFFER: 12 Varieties. One pkt. each, prepaid, $1.00.

Onion Sets. White Bottom.
Parsley. Vaughan's XXX.
Radish. White Tip "Sparkler."
Radish. Icicle.
Swiss Chard.
Tomato. Bonny Best.

HERBS FOR THE HOUSEWIFE

Sage, Parsley, Caraway, Garlic, Horseradish, or Asparagus Roots will all be found in our Vegetable Department. All these add greatly to the effectiveness of the cook's efforts and make many foods and dishes attractive and palatable which otherwise are commonplace and little cared for.

Vaughan's Triumph Spinach.

Withstands hot weather longer than other sorts; it thereby increases the length of the season a month. It does not wilt or run to seed so quickly as other sorts. Its habit of growth is prostrate, rather than upright; the leaves are thick warted, and fine and tender when cooked.

Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

Vaughan's Giant Fillbasket.

The very largest Early Spinach, the result of careful re-selection. In Europe it holds first place in public favor. Our customers here have had great success with it and are planting it more extensively each year. Its broad, thick, dark green leaves are very crisp and tender and of delicately delicious flavor.

Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

Victoria Spinach.

Remains in prime condition two to three weeks after other varieties, excepting "Vaughan's Triumph," have run to seed. It is of true Savoy type, dense foliage, broad, dark green leaves of best quality; a great heat resister.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

In a book on gardening to which I am just putting the finishing touches, I have a page, "The Spinach Problem Solved at Last." It tells about your New "Antivorskov" variety, which simply refuses to go to seed even in a drought. It's grand! Its branching habit and "Cut and Come-again" makes me think it has a strain of New Zealand Spinach in its sap. In fact, I have eaten no better spinach. HENRY T. FINCK, Bethel, Maine.

SWISS CHARD FOR SUMMER GARDEN

See Vegetables Novelty Pages for New Long Standing Spinach "Antvorskov" or King of Denmark.

LUCULLUS SWISS CHARD. A new Moss Curled sort. Very large leaves. The mid-ribs are very broad and form a good substitute for asparagus during the summer months. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.25.

COOPER'S MAMMOTH. This new mammoth sort is a medium green-colored variety of immense size—large chard or midrib of excellent quality and flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

LYON SWISS CHARD. A new variety, selected especially for its broad mid-ribs and stems. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.25.

GARDEN SORREL. Is boiled and served like spinach, also delicious for soups. As the hot sun tends to increase its acidity, a Northern exposure is advisable. It should be sown in drills 18 inches apart. It is hardy, but the roots should be divided every four years. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60.

Vaughan's Vegetable Cook Book

Here is a book that in these times of forced economy will prove its full worth to the industrious housewife. Contains over two hundred talks and recipes on how to serve, cook and preserve the products of your garden. It is a book that you will soon find you cannot do without, and the benefit you derive will amply compensate us for our time in collecting and putting together the contents. You are entitled to your own opinion on how to do things, but read also what the others, many of them experts, say. It only costs 35c, or you get it FREE with a $1.50 order for Vegetable Seeds in packets or ounces if you ask for it.

Vaughan's Summer and Winter Squash

VAUGHAN'S GIANT SUMMER CROOKNECK

SQUASH are growing in popularity with home gardeners. They must be sown in quick soil after it has warmed up, in hills eight to ten feet apart for the vine varieties and 3 to 5 feet for the bush sorts. The squash borer is the principal enemy, and the best protection against it is to cover the vine with soil at several joints. It will take root where covered and limit the damage done by the borer. Vegetable Marrows are considered by many to be superior in flavor to egg plant if sliced when half grown and fried. All squashes may be baked and eaten with butter, in which form they oftentimes are relished by persons who dislike them when mashed and boiled.

Vaughan's Giant Summer Crookneck. Our strain of this popular squash produces fruit nearly double the size of the old standard "Crookneck." The plants are healthy, bushy and compact; they produce in quantity fruit that is heavily warted and true to type. The flesh is a rich golden-yellow, the quality and flavor of which is the very best.
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60.

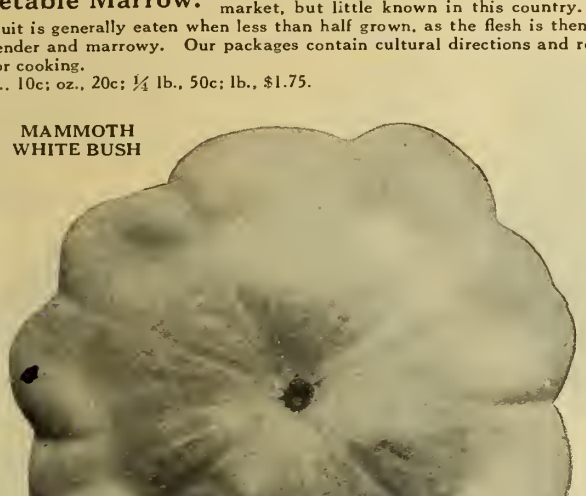
Vaughan's Chicago Warted Hubbard. Vaughan's Chicago Warted Hubbard Squash has been bred to meet the requirements of a high-class article of this kind; fruits are of large size, rough skin, dark-green in color. For producers on a large scale, these qualities are needed. Our strain is ideal for the home market, vines are of strong, robust growth, fruit is large, grand shape, heavily warted, flesh is bright orange, fine grained, rich and dry.
Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.50.

Golden Hubbard. Fruits are of the same shape as Green Hubbard, and warted, but average one-half to one-third smaller in size. They are earlier in season, but keep in fine condition through the winter. The skin is deep orange-yellow and very attractive. Flesh is deep golden-yellow, fine grained and delicious.
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.65.

Original Hubbard Squash. Not as large as Vaughan's original Chicago Warted Hubbard, but in shape and quality it is similar. The fruit has dark green skin, and often weighs as much as twenty pounds; the flesh is bright orange color, fine grained, dry and thick, of superior flavor. If stored right, Vaughan's Strain can be sold in good condition until spring.
Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.50.

Vegetable Marrow. This is a most important vegetable in the English market, but little known in this country. The fruit is generally eaten when less than half grown, as the flesh is then very tender and marrowy. Our packages contain cultural directions and recipes for cooking.
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75.

MAMMOTH WHITE BUSH

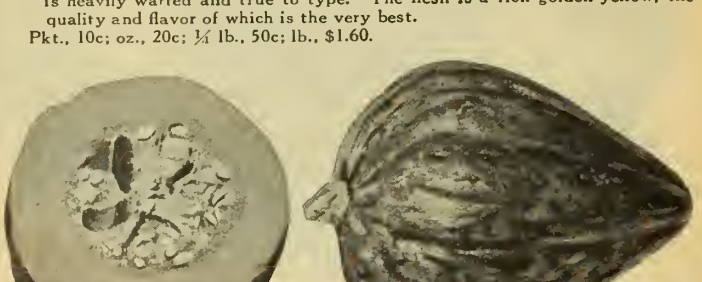


HEAVY YIELDER

Mammoth White Bush. Is an improved selection of the old "Early White Bush," the highly favored early summer squash. The newer sort is much larger and deeper, has fewer scallops, which saves waste, and is a heavier producer. Our strain is very select.
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

BUSH FORDHOOK SQUASH. A new bush type of the original Fordhook, unequaled in quality and delicious sweetness by any variety, whether for summer or winter use.
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75.

FORDHOOK—Early. Ripens early and is one of the best keepers. Can be kept through the winter until June. Is very prolific, and nearly bug and borer proof.
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75.

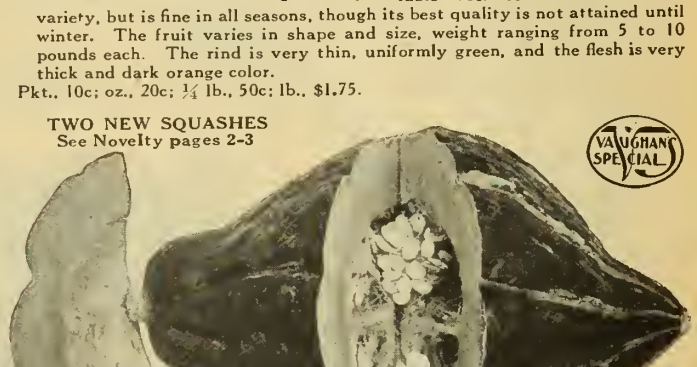


DELICIOUS SQUASH

The Delicious—For Quality. A squash of exceptional merit for table use. A fall and winter variety, but is fine in all seasons, though its best quality is not attained until winter. The fruit varies in shape and size, weight ranging from 5 to 10 pounds each. The rind is very thin, uniformly green, and the flesh is very thick and dark orange color.
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75.

TWO NEW SQUASHES
See Novelty pages 2-3

VAUGHAN'S SPECIAL



ORIGINAL HUBBARD

YELLOW SUMMER CROOKNECK. The old standard variety, very prolific, but smaller than "Giant Summer," a fine squash.
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

EARLY WHITE BUSH. Very early.
Pkt., 10c; oz., 20c; ¼ lb., 45c; lb. $1.40.

EARLY YELLOW BUSH. A true bush, though of an earlier and smaller strain than the above.
Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.40.

MAMMOTH YELLOW BUSH. Like Mammoth White Bush. The fruit runs a little larger
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

GIANT WHITE SUMMER CROOKNECK. A large selection of "Summer Crookneck";
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60.

BOSTON MARROW. Very popular for fall and winter; thin rind, orange color, yellow flesh, fine for pies, good keeper.
Pkt., 10c; oz., 15c; ¼ lb. 35c; lb., $1.20.

CHICAGO ORANGE MARROW. Large as Hubbard, good quality, 10 days earlier than others, keeps as long. Season — Sept. to Jan.;
Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.30.

PIKE'S PEAK OR SIBLEY. A vigorous, prolific old standard, oval shape, tapering at blossom end, skin dark green,
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60.

DELICATA. Orange-yellow, mottled with spots and stripes of dark green.
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.70.

FAXON'S BRAZILIAN. Early, long keeper, a sort that sports, average quality.
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60.

MARBLEHEAD. Prolific, light blue, olive shape, dry and sweet, delicious flavor.
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.65.

ESSEX HYBRID—Turban-Shape. For fall or winter; large broad fruit; skin and flesh orange-red.
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.65.

Vaughan's Tomatoes of the

EARLIANA
BEST RED
EXTRA
EARLY

TOMATOES are an ideal home garden crop, thriving in a clay soil none too fertile and yielding heavily in small space. They should be started indoors and those unable to do this should purchase plants. The plants may be set in the garden when danger of frost is over. It is important to give them a quick start after transplanting by frequent watering and fertilizing. They should be sprayed with bordeaux mixture to prevent disease, and with arsenate of lead to keep off the tomato worm; and Pyrox furnishes a combination spray which will accomplish both purposes. Hot sun is needed to ripen tomatoes and plenty of water to keep them growing. If trained to stakes or trellises they will ripen sooner, though satisfactory crops are produced by allowing the vines to lie on the ground.

For the Home Garden—Earliana for the first crop, John Baer second early, and Stone for the main crop are the most popular and are of excellent quality. For those who prefer a large size fruit, plant Ponderosa, Crimson Cushion or Enormous. The dwarf type take up less space in the garden while producing fruits of normal size.

Vaughan's Select Earliana. Very popular Early Red. Vaughan's Earliana is the earliest large, smooth bright red tomato. In season it ripens with the earliest, and our strain shows few, if any, of the rough fruits found in large numbers in other early sorts, and among many strains of Earliana. This variety is compact in growth, with stout jointed branches; the vines yield well and the fruit is solid and of fine quality. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.20; lb., $4.00.

June Pink—The Best Extra Early Pink. In many, perhaps the greater number of markets, a pink early tomato is most desired. This is the earliest of the pink varieties, and is similar in habit to the famous Earliana. We have bred this to such fine smoothness of skin, that in our strain, growers for market find very few rough fruits, and in Western markets where pink tomatoes only sell readily, this is a splendid profit maker.
Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.20; lb., $4.00.

Avon Early Tomato. This is a scarlet fruited variety of the very earliest class. It bears as quickly as Earliana, produces fruits of good size, round or slightly flattened, smooth and free from cracks and of fine quality. It is very productive and its season is longer than other first earlies.
Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., $2.75.

John Baer. A remarkable new variety of the extra early red o scarlet type. Not quite so early as Earliana, though there aie only a few days' difference, and John Baer yields a much heavier crop of larger, more uniform and more attractive fruits. Most profitable extra early sort.
Pkt., 10c; ½ oz., 20c; oz., 40c; ¼ lb., $1.25; lb., $4.00

Bonny Best. Regarded as a shade later than John Baer. Smooth, large and uniform fruit; yields well until frost.
Pkt., 10c; ½ oz., 20c; oz., 40c; ¼ lb., $1.20; lb., $4.00.

Chalk's Early Jewel. The original large smooth extra early red, much planted by canners in the Northern States—many still prefer this to Bonny Best.
Pkt., 10c; ½ oz., 20c; oz., 40c; ¼ lb., $1.20; lb., $4.00.

ACME—Early (Purple). Very valuable for market gardeners who ship or have a home market, and also for amateurs. The vine is large and very prolific, bearing fruit in clusters of four or five, early and continuously until frost. Pkt., 10c; oz., 35c; ¼ lb., $1.00; lb., $3.50.

EARLY DETROIT (Purple). The equal of any second Early Purple Tomato. Bears uniform, large, handsome, smooth fruit through the long season, yielding in the aggregate more marketable tomatoes than the popular Beauty which variety it most closely resembles. The fruit is firm and almost globe-shaped. Pkt., 10c; oz., 45c; ¼ lb., $1.30; lb., $4.50.

BEAUTY (Purple). Is the most popular of the large purple sorts, Vines large, vigorous and heavy bearers, fruit large, uniform, very smooth purplish pink skin; flesh light pink. Pkt., 10c; oz., 35c; ¼ lb., $1.00; lb., $3.50.

HUMMER—Early (Red). Globe-shaped, medium size, smooth, prepared for table without waste. Scarlet, free from cracks. Has heavy foliage and should be grown on trellises. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.00.

VAUGHAN'S MODEL TOMATO. A handsome dwarf tree variety, potato leaf; foliage, large, broad, dark green, heavily blistered. The fruit is smooth, and of best quality—the color a brilliant scarlet. Pkt., 10c; oz., 40c; ½ lb., $1.25; lb., $4.00.

DWARF ARISTOCRAT. This is a scarlet Dwarf Champion. The size, shape, form and color are nearly perfect for home use. It will be found good under glass and for early market out of doors. It may be planted 3x3 feet, making it ideal in home gardens. Pkt., 10c; oz., 40c; ¼ lb., $1.20; lb., $4.00.

IMPROVED NEW STONE. "King of the Reds." The very best of the main crop varieties. For yield, size and appearance, we have seen no finer strain than ours. The smooth skin, small core, fine-grained flesh with little acidity, delight the eater and give satsifaction to the grower. Canners plant it for their main crop and market-gardeners find it their most profitable sort. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.00; lb., $3.50.

VAUGHAN'S
IMPROVED
NEW STONE

MATCHLESS. Large, bright red, long keeping tomato. The solid fruit is produced on strong, vigorous, prolific vines. Very distinct. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.00; lb., $3.50.

Our trial ground or experiment department is always anxious to receive criticisms of stocks or strains with an aim to better them. Also, if varieties you are using are not suited for your use, we may be able to help you with suggestions.

Vaughan's New York. A worthy sort to follow the early red sorts like Earliana and Chalk's Jewel. It is a second early red-skinned, firm-fleshed tomato of high quality which is at the same time of good size and attractive appearance. Unlike some of the early sorts, the vine yields large size fruits to the end of the season. Pkt., 10c; ½ oz., 30c; oz., 50c.

DWARF
CHAMPION

FORCING TOMATOES

We provide choicest strains obtainable for greenhouse work.

SUNRISE. Rich scarlet, medium size, solid delicate flesh. Very prolific. Pkt., 25c; ½ oz., 35c.

COMET. Scarlet. Fruit medium, the heaviest yielder of greenhouse sorts. Pkt., 25c; ½ oz., 35c.

HUBERTS MARVEL. Scarlet color. Round like an apple. Pkt., 25c; ½ oz., 35c.

BEST OF ALL. Sutton's. One of the old standards; good yielder of small scarlet fruits. Pkt., 15c; ½ oz., 25c.

FROGMORE SELECT. Almost round, small seed cavity, bright red. Pkt., 25c; ½ oz., 35c.

LORILLARD. One of the best known and popular kinds. Pkt., 15c; ½ oz., 25c.

STIRLING CASTLE. Small size, uniform and very productive. Pkt., 25c; ½ oz., 35c.

LISTER'S PROLIFIC (new). Latest popular English sort. Pkt., 25c.

BONNIE BEST. The most popular American variety for forcing. Forcing strain, Pkt., 20c.

Finest Late and Early Types

Dwarf Stone—The Largest Dwarf Tomato. This is the largest Dwarf tomato; it resembles "Dwarf Champion," but is of stronger growth and more erect. In shape and size it is similar to "Improved New Stone." The fruit is red, and specimens weighing ¾ pound are not uncommon. Dwarf Stone is almost as early as "Dwarf Champion," and the fruit is the size of the last named sort. Fruit ripens evenly, is solid, free from cracks and of excellent quality. Amateurs find Dwarf Stone a splendid sort, because of its dwarf habit and robust growth.
Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.30; lb., $4.50.

Ponderosa—The Giant Tomato. Of the large fruited varieties, this one is a gem. The vines are strong in growth, and when planted in good soil and pruned to a single stem, the fruit reaches 1 pound in weight. Tomatoes grow in beautiful clusters. The fruit is mostly oblong in shape, usually ribbed, is deep purple color, has solid flesh of sweet flavor, and small seed cells.
Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50; lb., $5.00.

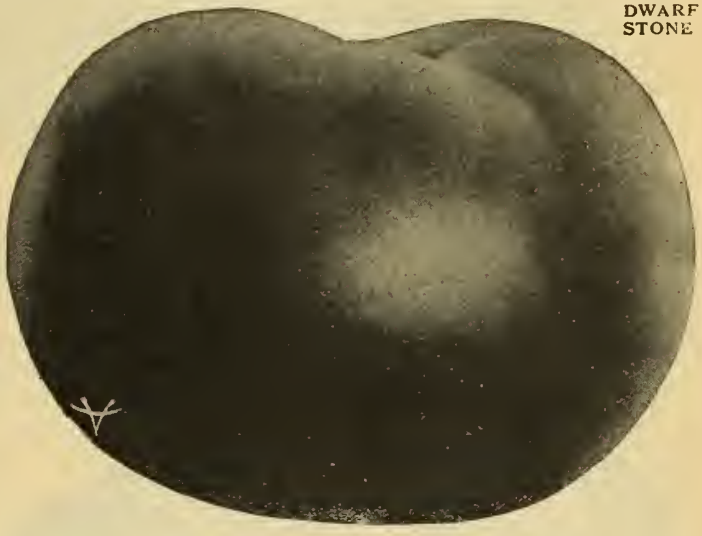
Dwarf Champion. A good sort for the home garden. Owing to its dwarf habit and upright tree-like growth it is a great favorite. It is of medium size, very smooth, purplish pink, symmetrical, flesh very solid. The vine is strong and stiff, requiring little support.
Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.30; lb., $4.50.

Gulf State Market Tomato. This globe-shaped purplish-pink tomato was developed from Early Detroit and is as early as that variety. It is said to be especially adapted to the Gulf states and California. The fruits are large, showing little depression around the stem, and free from cracks.
Pkt., 25c; ½ oz., 85c; oz., $1.50.

New Globe Tomato. This new Globe or Ball-Shaped tomato is ideal for the home garden; it is excellent for slicing. The rich, juicy, tomato flavor gives a certain zest and joy in the eating. The vines ripen the first fruits with the second earlies. They yield a heavy crop and continue to bear until frost. The skin is a smooth, glossy red; the flesh is firm and it has few seeds.
Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.25; lb., $4.00.

Golden Ponderosa. A Yellow Gem. This is a yellow Ponderosa equal in size to that magnificent variety. Sliced and served with the Purple Ponderosa, it makes a highly decorative and appetizing salad. Runs nearly true to type with a small percentage of mixed fruits.
Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., $1.75; lb., $6.00.

DWARF STONE



TOMATO PLANTS

We have ready about May 15th, carefully grown tomato plants. See page 95 for varieties and sizes.

A SINGLE CLUSTER

VAUGHAN'S MAMMOTH PONDEROSA

NEW GLOBE

CREAM CITY. This is one of the very first large tomatoes to ripen. Smooth, always round and good size. The color is purplish crimson, similar to Acme. Flesh thick, firm and solid, with few seeds. Good shipper. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.00; lb., $3.50.

VAUGHAN'S TALL CHAMPION. An extremely strong grower and heavy bearer; the fruit is like "Dwarf Champion" in color and smoothness, but runs a little larger in size, averaging 2¼ inches thick and 3¼ inches broad. It is very hardy and very prolific, one of the most desirable sorts for both home and market use. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.00.

ENORMOUS. Very large, beautifully smooth, solid flesh, few seeds, rather oval shape, mid-season, ripens all through at once. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.40.

CORELESS TOMATO. Most perfect shape, best suited to southern and central states; requires long season to mature. Splendid for home gardeners and canners. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.35.

CRIMSON CUSHION or BEEFSTEAK. Is very large, round and regular; bright scarlet skin, solid flesh of best quality, seed cells small. Plants are very prolific, fine appearance. Pkt., 10c; ½ oz., 30c; oz., 55c; ¼ lb., $1.60.

MAGNUS. Potato leaved: an early main crop, strong growing vines, a heavy cropper. Fruit is globe-shape, and ripens evenly. Pkt., 10c; ½ oz. 20c; oz., 35c; ¼ lb., $1.00; lb., $3.50.

Vaughan's new Potato Leaved Tomato. Hudson Valley Maid the best of this type. See Novelty pages 2 and 3.

SMALL FRUITED TOMATOES

(Very desirable for pickles and preserves.

NEW GRAPE OR CLUSTER, NAPOLEON. This is the best of the so-called "dessert" tomatoes which are eaten whole. Immensely productive; sometimes 40 to 60 of the small fruits fully developed in one cluster. Pinch off some of the blossoms, if increased size is wanted. The flavor is delicious. Pkt., 15c; ½ oz., 35c; oz., 60c.

Mercroft, Dorval Prov., Que.
I want you to know what a great success the new tomato "Hudson Valley Maid" has proved—has cropped very heavily both grown to single stalk and field grown—the first is fine shape and flavor. I also have had wonderful success with your All Season Lettuce and Zinnias.
KATE AISHTON MERCUR.

RED CURRANT. Very small. Pkt., 10c; ½ oz., 40c; oz., 70c; ¼ lb., $1.85.
Prices of the following: Pkt., 10c; ½ oz., 30c; oz., 55c; ¼ lb., $1.60.
TWO PEACH TOMATOES. Peach shape and color. Red or Yellow.
YELLOW PLUM AND RED PLUM. Fruit about 2 inches long, 1 inch through; the one is lemon-yellow, the other plum-red.
YELLOW AND RED PEAR. Distinct shape.
RED CHERRY. Small fruit bright, scarlet.
HUSK or STRAWBERRY. The small yellow fruit is enclosed in a husk. It is very sweet, prized for eating, preserving and making pies.

OTHER STANDARD SORTS

GOLDEN QUEEN. Brick yellow. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.20; lb., $4.00.
All below at the following prices: Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.00; lb., $3.50.
ATLANTIC PRIZE. Early red.
BUCKEYE STATE. Large purple.
EARLY FREEDOM. Very early.
EARLY MICHIGAN. Early red.
FAVORITE. Early red.
HONOR BRIGHT. Fine shipper.
IMPERIAL. Early purple.
PERFECTION. Blood-red; late.
TROPHY. Old standard; late.

Three important new Tomato introductions Vaughan's Hudson Valley Maid, Avon and Gulf State Market. See Novelty pages 2 and 3.

Vaughan's Turnips and Rutabagas

TURNIPS are cool weather plants and thrive best in spring and fall. For early use seed should be sown as soon as the ground can be prepared and will give roots large enough for the table in six to ten weeks. For the fall crop seed should be sown June to August and the plants will grow until freezing weather, when they should be harvested and stored. Rutabagas after a touch of frost are a delightful addition to the winter diet. To avoid maggots, it is best to sow turnips on different soil each year.

A loose and fertile soil is needed to mature early turnips rapidly, and avoid a bitterness which develops when growth is checked. The plants should be thinned to stand three inches apart, and then the half grown roots should be harvested alternately.

For the Home Garden—Any of the table turnips and rutabagas listed on this page will be found satisfactory.

Purple Top White Globe. Originated from "Purple Top Flat Turnip," is extensively planted and popular for its fine qualities. The flesh is firm, fine grained, sweet and rich flavored; it is of good size, globe-shaped, fine appearance, a good producer and fine keeper. Splendid for table—tip top for stock.
Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 75c; 5 lbs., $2.75.

Extra Early Purple-Top Milan. An excellent medium size turnip, almost as early as White Milan, smooth white surface, purple top, flat shape, white flesh—its growth is very uniform and quality the best.
Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.25.

PURPLE TOP MILAN

WHITE FLAT DUTCH

EARLY WHITE MILAN is the earliest turnip, but can be used Spring or Fall. The skin is smooth, snowy white, has a polished appearance; medium size, white, tender, sweet. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.25.

GOLDEN BALL or ORANGE JELLY. Medium size, globular table turnip. Season early. Flesh yellow, sweet. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 85c.

YELLOW STONE. Popular variety, yellow flesh, round shape, somewhat flattened; excellent quality for table or market. Good for stock. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 85c.

TELTOW. Small in size; a German delicacy of remarkable quality. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

SEVEN TOP. A variety much grown in the south for the tops, which are used as greens. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.

LARGE YELLOW or AMBER GLOBE. Fine quality and sweet. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

WHITE FLAT DUTCH. A very fine turnip when not overgrown, but spongy and inferior if over matured. It is an early garden variety, popular in the Southern states; is medium sized, sweet, tender and desirable for table use. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 75c.

EARLY SNOWBALL. Small, white, grows quickly, splendid table quality. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.

TABLE RUTABAGAS

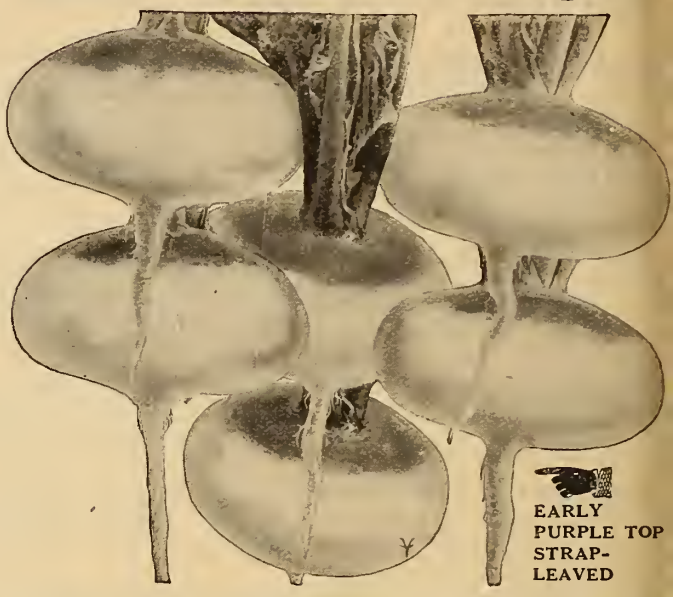
Prices of the following: Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 85c.

VAUGHAN'S IMPROVED. One of the best flavored of all. See description under Swedes and Rutabagas for Stock on this page.

LAING'S GARDEN RUTABAGA. Short top, well shaped, medium root. Purple skin, yellow flesh. A splendid winter keeper, delicious after first few November frosts.

WHITE SWEDE. White, solid.

SWEET GERMAN. A fine table, sort, white flesh, excellent keeper.



EARLY PURPLE TOP STRAP-LEAVED

Purple Top Strap-Leaved. Is a table variety, fine, tender and deliciously flavored. It is a week later than "White Milan." It is broad shaped, medium size, white flesh, fine grained, splendid quality. Top is dark red or purple, elsewhere white, has few leaves, upright in growth, fine keeper.
Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 75c; 5 lbs., $2.75 (by express).

VAUGHAN'S IMPROVED AMERICAN PURPLE-TOP RUTABAGA

SWEDES AND RUTABAGAS—for Stock

A PROFITABLE and highly nutritious crop to grow for winter feed for all Farm Stock and Fowl. The smaller roots can also be used as a table vegetable, are somewhat coarser than those recommended above, but are valuable for winter storing.

Vaughan's Improved American Purple Top is from stock of a purple top; largest size, best shaped variety, small neck, smooth skin; good cropper and keeper. One of the most profitable to grow, on account of its great yield of large solid roots, which make excellent winter feed for all farm stock. Excellent table quality.
Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 85c; 5 lbs., $3.00.

Monarch. A stock crop for early feeding, oblong shape, yellow flesh, one grain, fine flavor, superior in quality and weight. Produces 5 to 7 tons per acre more than any other Swede.
Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 85c.

Rhode Island Rock. Great improvement on White French Turnip made after years of selection by a Rhode Island market gardener. Three weeks earlier than any turnip of its class; can be planted later to follow peas, corn, beets, etc. Very hardy, solid pure white flesh, fine grained, brittle and sweet. Excels as a keeper.
Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.10.

VASSAR. This is a yellow-fleshed selection of the White Breadstone Rutabaga, and is a very desirable variety for late fall use. The flavor is at its best about Christmas and after. The roots are very hard and keep into the summer if stored in a good cellar. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

BREADSTONE. Medium size, white roots. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 85c.

CARTER'S IMPERIAL. Pkt., 5c; oz., 15c; ¼ lb., 25c; lb., 80c.

SKIRVING'S. Large yellow. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 85c.

BANGHOLM DANISH. Yellow flesh, purple top with small neck. Danish pedigree seed. Pkt., 5c; oz., 15c; ¼ lb., 25c; lb., 85c.

SUTTON'S CHAMPION. Round, big yielder, yellow flesh. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 85c.

LARGE FIELD TURNIPS—for Stock

WHITE EGG. Quick growing, egg shaped, perfectly smooth, pure white variety, grows half way out of ground with small tops and rough leaves, never has rank, strong taste, but the sweet, firm flesh is always mild, rich and fine flavored. Pkt., 5c; oz., 15c; ¼ lb., 25c; lb., 80c.

LARGE WHITE NORFOLK. Globular, late, solid. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c

COW HORN or LONG WHITE. Grows nearly half way out of the ground, carrot shape, usually slightly bent; pure white. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

POMERANIAN WHITE GLOBE. Large, good both for table and stock. Pkt. 5c; oz., 10c; ¼ lb., 25c; lb., 70c.

YELLOW ABERDEEN. Large globe-shaped table and stock variety. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c.

VAUGHAN'S MAMMOTH LONG RED MANGEL

Vaughan's Mangels and Stock Carrots

ROOT crops are a great necessity for all kinds of stock, and fowl too; root feeding not only gives high-class tissue-building substance to the body, but acts also as a tonic, keeping in healthy condition the digestive organs and maintaining general good health. As a body-builder, root crops should be consistently and regularly fed to all stock; where such is done, results will show not only in the healthful appearance and physical fitness of the stock, but also in their profit-making increase of weight, and in dairy animals, enriched milk. The following succession in spring will furnish succulent feed from September to April; Turnips, Rutabagas, Mangels, the latter not being in condition to use before January. Roots should be chopped or sliced and fed with other forage.

Barries Sludstrup. Holds the world's record for dry matter content. This Mangel has been awarded the first-class certificates several times by the Danish Government, the highest honor in Denmark, where Mangels are as important as corn is here. Sludstrup is a long, reddish-yellow, ovoid root, growing more than half above ground. Easily harvested, and by actual test far excels any other variety in weight and in the feeding value of the yield. Our seed is from the best Danish growers. Oz., 10c; ¼ lb., 20c; lb., 70c; 5 lbs., $2.75.

GIANT YELLOW ECKENDORF. One of the most popular European varieties; contains a large amount of nutritive matter; it is also a remarkably heavy yielder. The great yellow roots, cylindrical in form, weigh 15 to 20 pounds each; the greater portion grows above ground. Easily harvested. Oz., 10c; ¼ lb., 20c; lb., 60c; 5 lbs., $2.35.

GIANT ROSE HALF SUGAR. Combines best qualities of Sugar Beets and Mangels. About the same shape as Long Red, but has white skin and flesh. Highly nutritious and a big producer. Oz., 10c; ¼ lb., 20c; lb., 60c; 5 lbs., $2.50.

SUGAR BEETS—Fine for Stock

The kinds offered below are grown from roots the test analysis of which showed high sugar content. Prices of the following: Oz., 10c; ¼ lb., 20c; lb., 70c; 5 lbs., $3.00.

VILMORIN'S IMPERIAL. Improved French variety; large, thick at shoulder, tapering below; yields nearly as much as the Mangels, with one per cent sugar.

KLEIN-WANZLEBEN. Wedge-shape, tapering to long tail.

LANE'S IMPROVED. Heavy yielder; flesh snow-white.

FRENCH RED TOP SUGAR. Famous in France for percentage of sugar.

VAUGHAN'S HALF LONG DANVERS. Another broad-shoulder variety. Stump rooted and a wonderful producer. Fine for stock. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c; 5 lb., $3.50.

TABLE ROOT CROPS—FOR STORING IN THE CELLAR

At no time are vegetables more needed, and incidentally more expensive, than in winter. If you have a cellar, barn or other suitable place where you can store root crops, let your garden produce them; they are easily grown and they make wholesome, delicious, nourishing food.

"Winter Storage" Collection "W 8". Eight Packets.

One each of the following for 35c:
RUTABAGAS, Vaughan's Improved and Laing's Swede; TURNIP, Large Yellow and Purple Strapleaf; CARROT, Danvers; PARSNIP, Marrowfat; BEETS, Detroit and Egyptian. Collection No. 'W 8'
The above eight packets, with booklet telling how to grow and store, postpaid, 35c.

Vaughan's Mammoth Long Red. Largest and heaviest cropper of long red sorts; yields up to 40 tons per acre on well prepared land. Dark foliage, bright red skin and white flesh veined with pink. Grows well up above the ground; easy to harvest. Splendid dairy feed.
Oz., 10c; ¼ lb., 20c; lb., 60c, prepaid; 5 lbs., by express, $2.35.

CARROTS FOR STOCK—Best for Horses

Carrots are very valuable for all kinds of domestic animals and best for horses. When fed alternately with oats to work-teams on the farm, the value of Carrots is equal to the Oats they displace.

Mastodon or White Intermediate. Heaviest cropping Carrot. Roots short, white, very heavy at shoulder, easy to harvest without breaking. One of the most profitable sorts. Oz., 10c; ¼ lb., 20c; lb., 70c; 5 lbs., $3.00.

IMPROVED LONG ORANGE. Extra good yielder. Roots long, tapering from shoulder to a point. Largely grown for stock, good table variety. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c; 5 lbs., $3.50.

LONG ORANGE BELGIAN. Good heavy cropper for light soils where roots can be easily dug. Exceptionally fine keeper. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs., $3.25.

Sow all Root Crops for stock-feeding in drills, 2 feet apart, and thin out to 9 inches in the rows. It requires 5 lbs. of Mangel Seed and 4 lbs. of Turnip or Rutabaga to sow an acre with a seeder.

Single pound prices are postpaid.

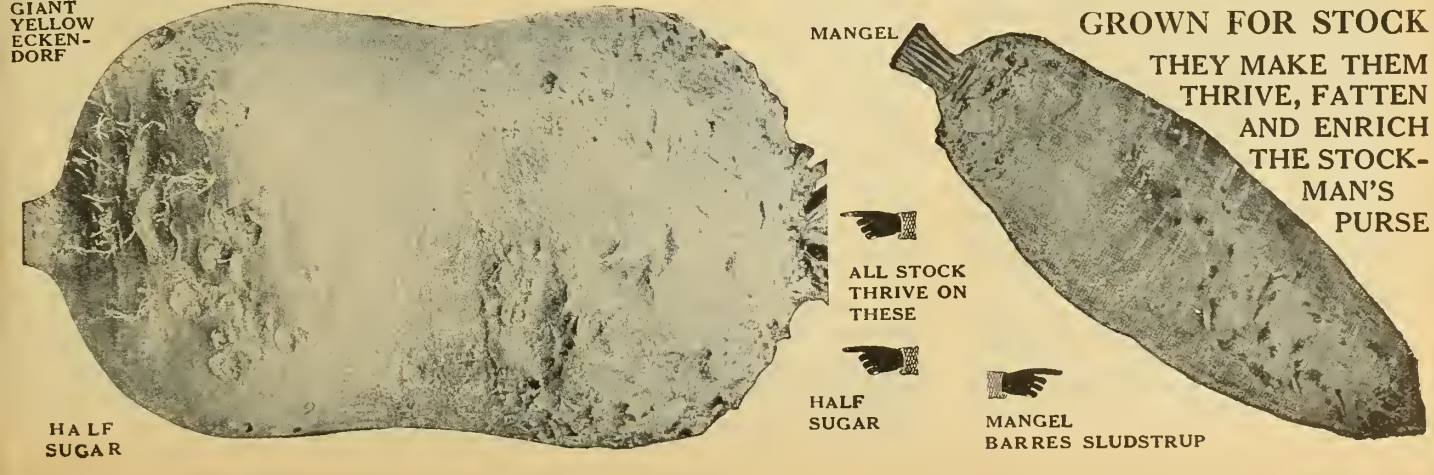
GOLDEN TANKARD. Smooth, yellow flesh, small yellow-stemmed top, length 11 inches, diameter 4 inches, shape cylindrical. Very nutritious. Oz., 10c; ¼ lb., 20c; lb., 70c; 5 lbs., $2.75.

GIANT YELLOW INTERMEDIATE. Between the long and globe sorts in shape, skin yellow, flesh white with yellow zones. Better than longer kinds for shallow soils. Oz., 10c; ¼ lb., 20c; lb., 60c; 5 lbs., $2.75.

CHAMPION YELLOW GLOBE. Skin a rich yellow, flesh white and solid; grows two-thirds above ground hence the best for shallow soils. Good keeper. Oz., 10c; ¼ lb. 20c; lb., 60c; 5 lbs., $2.35.

LONG WHITE BELGIAN. Similar to Long Orange except in color. Oz., 10c; ¼ lb., 20c; lb., 70c; 5 lbs., $3.00.

REDUCE YOUR SUGAR BILL. Sow a row of sugar beet for syrup. Cut beets into thin slices and soak in hot water to extract the sugar. The liquid is then boiled down. Very easily grown. One ounce will plant a 50-foot row.



Growing Your Winter Bouquets

WINTER bouquets for house decoration have achieved great popularity, owing to their beauty in indoor decorative schemes. There is no simpler garden task than raising the material and making bouquets to suit your taste.

To dry everlasting flowers for winter use, they are cut while the flowers are only half expanded. They should be then hung head downward, or flower downward to dry, in the house. The reason for suspending them with the flowers downward is to preserve the natural position of the foliage and also the flower in relation to the foliage. If dried erect in a vase, the leaves are bound to wilt and droop down parallel with the stems and the flowers in many cases would hang their heads. The reason for cutting them half expanded is that they will complete unfolding while drying and preserve their natural appearance. If cut when too mature, the petals in some of the straw flowers will bend downward and the flower is likely to fall apart when dry.

For brilliant yellow, orange, crimson, rose, pink and purple the annuals, Acrolinium, Ammobium, Helichrysum, Rhodanthe and Xeranthemum, are best. The Helichrysums are most showy. The Rodanthes offer the most delicate rose pink. The Globe Amaranths or Gomphrenas resemble brilliant rosy magenta clover heads. There are also white and buff shades of the Gomphrena.

Among the perennials the Chinese Lantern Plant (Physalis Franchetti) with its brilliant seed pods, ranging from scarlet through orange and the brilliant green of the immature lanterns, offers a gorgeous display. The stem is a foot to eighteen inches long, hung with papery vegetable lanterns and lends itself to a variety of decorative schemes.

It is a relative of the wild ground cherry and grows as easily. In drying the lanterns the plant may be hung in any position desired, care being taken that the lanterns hang freely and gracefully and do not droop against the stem.

The annual Statices, S. Suworowi, S. Bonduelli, and the varieties of S. Sinuata offer soft yellow, rose and lavender in branched clusters. The upright cups dry remarkably well, preserving color and form. The perennial sea lavender, Statice Latifolia, produces great lacy sprays of tiny pale lavender flowers, which do not dry as well as the larger annual forms or have so much color.

One of the most striking perennials for dried bouquets is the Globe Thistle, Echinops Ritro. The silvery thistle-like foliage and the steel-blue globes retain their color when dried. They have long stems and dry easily. They should be cut for drying when the first tuft of blue bloom appears on the globes. The steel-blue Eryngiums or Sea Hollies are another fine group for winter bouquets, retaining well the blue of stem and flower.

The characteristic sprays of the Golden Rod retain their form in drying, although the golden color does not persist, they form the most graceful material for single sprays of all the winter bouquet flowers. The heavy leaves often seen, gilded and painted, in the florists' winter bouquets come from two prairie wildlings, the compass plant and the resin weed. They can be gathered along almost any country road or railroad right-of-way if desired.

The silvery wafers of the old-fashioned Honesty, Money plant, or St. Peter's Penny (Lunaria Biennis) have once more regained popular favor, retaining all the silvery beauty when dried they display when growing upon the plant during the summer.

What to Use in Window Boxes

THERE are two distinct classes of window or porch boxes—the foliage box and the flowering box. It is usually better for general effect to decide upon one style or the other. For shady locations the foliage boxes are best. Flowering boxes succeed in sunny or half shaded positions.

There is no plant that quite gives the effect of the trailing Vinca Major Variegata with its perpendicular droop and complete covering. There are a number of other vines of more informal and graceful habit that make excellent subjects for window boxes. For a shaded position the Wandering Jew, either in plain green, white, or red and silver variegated forms, makes a mass of foliage, completely trimming the box.

Another deservedly popular vine is the English Ivy for either sun or shade. Combined with the green forms of the Wandering Jew the contrast of its dark leathery leaves with light brilliant green is very decorative. An additional touch is given by the long sprays of the Trailing Lantana, although it does not bloom as freely in the shade.

The Thunbergia with handsome buff flowers with black throats is a fine trailer for a window box in a shaded situation.

A fine plant for a hot, fully exposed position is the Ice Plant (Mesembryanthemum Crystallinum) which has crystalline globules along its stems, resembling ice crystals.

The chief feature in the small window box is the centerpiece and there are a number of plants excellently adapted for the purpose. The handsomest for shady boxes is the fancy leaved Caladium, potted bulbs of which are ready in May. Their handsomely mottled foliage gives the needed touch of color to lighten up a shady box. The Asparagus and the Boston Ferns make fine centerpieces. A small rubber plant is often used with good decorative results. The formal fountain-like foliage of the Pandanus, green and white striped, and the finer and airer Dracaena are much used and are ideal plants for the purpose. For contrast, plants of the Dusty Miller (Centaurea Gymnocarpa) are useful as high lights.

Bright bits of color are added in shady boxes by the use of the bedding Begonias, the variety Luminosa with its scarlet bloom being very fine for the purpose. It is useless to plant Petunias in deeply shaded boxes, as they will furnish very little bloom.

For sunshiny boxes the Balcony type of Petunia cannot be surpassed unless by the Rosy Morn type. Double and giant Petunias are also beautiful plants for the same purpose, making up in their larger and more imposing flowers for the profusion of the single types. Geraniums are the old favorites and nothing is more satisfactory or cheerful for the purpose. The Lantanas in brilliant orange, pink and lavender give myriads of their clustered bloom during the summer. Heliotropes, with their fragrant purple clusters and the snowy Marguerites, give a continual show.

The brilliant foliage of the Coleus needs the sun to bring out its gorgeous tints, while the shrubby and equally gorgeous Crotons are fine for partial shade. They like the sun, but sometimes are inclined to burn if too fully exposed.

In planting the window box be sure that the soil is thoroughly fertilized at the start for the boxes should be thickly planted to secure good effect and the root space is limited. Occasional waterings with liquid fertilizer are advisable to keep up the vigor of the growth. Drainage is amply provided in the window boxes we sell, but if boxes are made at home, holes should be bored in the bottom at six inch intervals in double rows, to provide for it.

Where the box itself is exposed to the full force of the sun's rays, it is sometimes better not to use metal boxes, as they conduct the heat readily, dry out quickly or if self-watering, are apt to scald the roots.

For further information about plants and seeds mentioned on this page refer to Index, page 119.

Annuals

ON the following pages will be found our complete list of annual flower seeds. Perennial flower seeds will be found on Pages 80 to 89 inclusive. For the sake of accuracy, flower seeds and plants are listed under their botanical names. The popular names, where these are well known, are given in parenthesis. So much confusion exists in the use of popular names that no other course is possible without inviting endless mistakes. The family name of each flower is printed in bold capitals, underscored, and beneath it, in smaller bold type, are listed the different varieties. This makes it very easy to find any variety desired.

Our Special Mixtures deserve particular attention. They are not composed of seed harvested from rogued plants or from plantings in mixed fields, but are made up by us from seed of named varieties. Thus a Special Mixture will contain specimens of the finest named varieties in a family.

At the same time the gardener will find his pleasure much increased if he buys named varieties of his favorite flowers, and plants them so he can identify the blossoms and recognize them when he encounters them elsewhere. In this list, we confidently believe, will be found all the finest varieties of annual flowers now available to American gardeners.

To distinguish with greater exactness the class to which belongs each of the flowers which we grow as annuals, the following symbols have been employed:

Key to Symbols

□**Annuals.** These attain full growth from seed, flower and die first year.

#**Biennials.** These grow from seed the first year, bloom and die the next, though some varieties bloom the first year, if sown early.

÷**Greenhouse Plants.** Start inside and cultivate in pots, or else, transplant outside when danger of frost is over.

+**Stove Plants.** To be grown inside all the year round for pots only.

=**Climbing Plants.**

Vaughan's Flower Seed Novelties

ALLWOODII

4000 A new race of hardy plants belonging to the Dianthus family. It makes an ideal pot plant. The flowers are about 75 per cent double and appear in all colors except yellow. The single flowers are quite as handsome as the double and have the advantage of making larger clusters. It is exceptionally hardy, commencing to flower in early Spring and continuing through summer and fall. Pkt. (25 seeds), 50c.

AMARANTHUS

4001 **Sunrise** □. One of the most brilliant annual foliage plants very early in its growth, the top leaves become a fiery crimson, the lower ones remaining maroon all summer. It bears a striking resemblance to the well-known greenhouse Christmas Poinsettia and will do well in any sunny exposed place. It is one of the novelties which will please every one with the flaming brilliancy of its coloring. Pkt., 15c; 2 pkts. for 25c.

ANTIRRHINUM

Maximum Giant Flowered. These produce individual flowers 2 to 2½ inches wide on strong sturdy stems, each blossom set closely on the stalk.

4003 **Defiance.** Brilliant scarlet. Pkt., 15c.
4004 **Fairy Queen.** Terra cotta. Pkt., 15c.
4005 **Gotelind.** Pale orange with lemon spot on lip. Pkt., 15c.
4006 **Krimhilde.** Purple carmine, white throat. Pkt., 15c.
4007 **Maralda.** Copper-carmine with yellow eye. Pkt., 15c.
4008 **Purple King.** Pkt., 10c.
4008a **Ruby.** Velvety ruby red. Pkt., 15c. characterizes the Beauty type and the Crego
4009 **Maximum or Giant, Flowered Mixed.** All the above and others. Pkt., 15c.
4010 **Tom Thumb, Orange-Yellow.** New attractive color. Fine for edging, 7 inches. Pkt., 15c.

ASTER □

California Giants is a new family of asters produced by a California seed grower and specialist in asters. They combine the robust habit of growth and length of stem that characterizes the beauty type and the Crego or Ostrich Feather type of flower. A true non-lateral type.

4011 **Peachblossom.** Pkt., 15c.
4013 **Dark Purple.** Pkt., 15c.
4014 **Light Blue.** Pkt., 15c.
1 pkt., each 4 asters above, for 50c.

4016 **Heart of France.** Heart of France opens red as the purest ruby, deepens with age and retains its remarkable color to the very end. The petals appear strikingly changeable, showing now a glow and sheen quite unique, now a soft warm velvety texture. In any light, natural or artificial, Heart of France is startlingly beautiful and will command instant admiration. Pkt., 15c.

Mignon. A splendid type of very free-blooming asters, flowers resembling the imbricated Victoria Asters, in shape, but smaller, measuring about 1½ inches in diameter. The plants grow in pretty upright bushes 12 to 15 inches high and are covered with their dainty flowers. Splendid for pots and cut.

4017 **White.** Pkt., 15c.
4018 **Rose.** Pkt., 15c.
4019 **Light Blue.** Pkt., 15c.
4020 **Scarlet.** Pkt., 15c.
1 pkt., each 4 above asters, for 50c.

4021 **Moreton Pink,** of the Giant Branching type, the large flowers are well formed and freely produced on long stems; color a beautiful, clear pink with a salmon sheen. Pkt., 15c.

ASTERS—Continued.

4022 **Ostrich Plume, Terra Cotta.** Flowers remarkably rich color, petals daintily curled and stems long and strong. A most unique color. Pkt., 15c.

4023 **Ostrich Plume Triumph of Paris.** Beautiful white flowers with curled and twisted petals, and yellow cushion center. Pkt., 15c.

BUDDLEIA

4024 **Variabilis Veitchiana** (Butterfly Shrub or Summer Lilac) © one of the most desirable summer flowering shrubs, begins to bloom in July and continues in flower until frost. The flowers are a pleasing shade of violet mauve, borne on spikes like the lilac and with good cultivation should be 12 to 15 inches long and 3 inches wide. Blooms from seed the first year if sown early. Pkt., 20c.

CELOSIA □

4025 **Childsii Woolflower Deep Rose** □. This variety is exactly like the original Chinese Woolflower, only the color is a deep rose instead of scarlet. Many have grown the former in the last few years and have been pleased with the flowers which appear like bunches of wool on the end of the flower stalks, so we recommend this new color. Pkt., 15c.

4026 **Chrysantheflora.** Produces a compact round head of flower, in many attractive shades, the deep crimson and pastel shades being particularly attractive, the stems are round and straight and very strong. They make excellent material for the everlasting bouquets as the flowers dry easily and maintain their color. Pkt., 20c.

4027 **Parrot's Feather.** This variety is the result of a cross of the plumosa and the cristata varieties. The plants are stocky in growth, the main stem and each branch being terminated by the most lovely plumes, as gracefully airy and fluffy as the finest ostrich plume. The colors are truly marvelous; most of them have a silvery appearance varying from the most lovely shades of silvery pink, silvery salmon to red, deep red, bright yellow and orange. Many of the plumes are terminated or crowned with cockscombs of varied and fantastic shapes, of texture like the finest velvet plush. Celosia Parrot's Feather is a plant that will attract attention anywhere. The seed we offer has been saved only from the finest and most perfect specimens. Pkt., 25c.

The illustrations in color in this section are reproductions of water-color paintings by Charles H. Workman.

Vaughan's Flower Seed Novelties

CENTAUREA CYANUS

4028 Double Mauve □. A valuable addition to this family of plants. Pkt., 10c.

4029 Centaurea Imperialis Amaranth. An entirely new shade of the Giant Sweet Sultan, of a rich plum color. Pkt., 10c.

COLEUS

4030 Harlequin. A strain of great merit. Foliage very large, laciniated and in the most beautiful colors, especially in rose and apricot shades. Splendid for pots and bedding. Pkt., 25c.

COSMOS □

Anemone Flowered or Crown and Crested. These differ from the other cosmos in the formation of the center of the flower, which develops a crown or crest, like an anemone, the guard petals remain the same.

4031 Anemone Flowered. Pink Beauty. Pkt., 15c.

4032 Anemone Flowered. White Queen. Pkt., 15c.

4033 Anemone Flowered. Mixed. Pkt., 15c.

Double Early Flowering. These grow to a height of about three feet, forming a perfect bush, massed with bloom, bearing beautiful double flowers of good size, on long stems. They come about 75 per cent double from seed. They bloom in 70 days from day seed is sown, so that seed sown the latter part of April will easily be in bloom by the Fourth of July, and continue until cut down by frost.

4034 Double Early Flowering Pink. Pkt., 25c.

4035 Double Early Flowering White. Pkt., 25c.

4036 Double Early Flowering Crimson. Pkt., 25c.

4037 Early Harbinger. Mixed. This greatly improved type contains a greater number of shades than any other grown, such as soft shades of pink, peach, apple blossom, lavender and other intermediate shades, in addition to the more common colors of crimson, pink and white, as all select hand picked, and all giant flowered of the early flowering type. Seed grown in the New England States. Pkt., 25c.

DAHLIA SELECTA

4039 Extra Double Giant Flowered. A most beautiful mixture of the very best new double dahlias, with flowers on stiff, erect stems. There is nothing better. Dahlias will bloom the first year from seed. Pkt. (50 seeds), 50c.

DIANTHUS BARBATUS (Sweet William)

4039a Turkey-Red. A new attraction and striking new color of this popular hardy perennial. Pkt., 15c.

GAILLARDIA PICTA

4040 Aurora Borealis □. A splendid new annual gaillardia with large flowers. Brown, red and yellow. Pkt., 15c.

4041 Grandiflora Hybrida Maxima Stand Holder © a perennial of great beauty with exceedingly large flowers up to 5 inches in diameter, more or less yellow bordered, and with lighter or darker red wings around the center. The petals are broad but occasionally tubular with an inclination to doubleness. Blooms early and the stems are stiff and long. Pkt., 25c.

HELIANTHUS (Sunflower)

4042 Questifolius (Autumn Glory) ©. A magnificent fall flower; plants stand five to seven feet and burst into a solid bloom of the clearest and richest golden yellow, somewhat like the Golden Glow but still more showy in late fall and continues long after frost. Blooms from seed the first year. If you like yellow in the garden, be sure and try this. Pkt., 15c; 2 pkts., for 25c.

LEPTOSIPHON

4043 French Hybrids □. Free flowering hardy annuals useful for edging and rockwork. Plants are thickly studded with charming bright flowers of various colors. Pkt., 10c.

Saponaria—Calabrica

LILIUM REGALE

4044 (The Regal Lily). It is absolutely hardy, and is excellent for forcing. It has been predicted that this will become the Easter Lily of the future, and being so hardy, may be grown at home. The flowers are white, slightly suffused with pink, with a beautiful shade of canary yellow at the centre, and extending part way up the trumpet. It is delightfully perfumed, reminding one of the jasmine, and lacking the heavy oppressive odor of most lilies. Blooms out of doors early in July, and seedling bulbs will flower the second year. Pkt. (35 seeds), 25c; 5 pkts. for $1.00.

MARIGOLD

4045 Vaughan's Special Mixture of Fall French Varieties □. These are much more graceful than the tall African varieties, and therefore lends itself for vase decoration more readily. The colors are of a wider range. Pkt., 10c.

MIGNONETTE

4046 Vaughan's Giant Rocket □. 1 ft. The largest and most robust variety. The flowers are wonderfully fragrant and produced in great abundance. Many plants carry 50 to 60 spikes of bloom, each 14 to 18 inches long. Pkt., 15c.

MYOSOTIS

4047 Blue Bird. A beautiful winter-flowering Forget-Me-Not. An English specialist selection from the Oblongata class. The only Myosotis which has received an award of the British Royal Horticultural Society in many years. Pkt. (about 50 seeds), 50c.

PANSY

4048 Apricot Queen. A very pretty apricot, shaded yellow. The plants are very free flowering and compact, which makes it excellent for bedding work. Pkt., 20c.

4049 Boulogne, Giant Mixture. The flowers are of the largest size, great substance, fine form and are borne on particularly strong stems. They are mostly 3 and 5 blotched, delicately veined, rich colors. Pkt. (100 seeds), 50c; 1-16 oz. for $2.50.

PENTSTEMON

4050 Sensation. Although this is a perennial it can easily be grown as an annual. If sown in heat in February or March, they will flower freely the first year, producing large spikes of handsome flowers. Often two inches across and in the most brilliant and varied colors. Pkt., 25c.

4050a Southgate Gem. A distinct and very pretty Pentstemon, with long graceful stems carrying numerous rich poppy red flowers, showing pure white throats. Pkt., 25c.

PETUNIA

4051 Dwarf California Giants. The habit of the plant is very dwarf, flowers very large and of the finest substance, very fine range of color. Pkt., 50c.

4052 Copper Rose. Enormous flowers of wonderful color with a deep white throat, deeply veined—a shade that attracts and holds your attention. The substance of the petals is firm with a velvety surface. Free flowering, but shy seeder. Pkt., 50c.

4053 Blue Bird, Nana Erecta Violacea. A fine companion to Rosy Morn, same habit and freedom of bloom. Color steel blue, splendid for borders, pots or window boxes. The best small-flowered, compact Petunia to date. Pkt., 25c.

4054 Rose of Heaven. Color rich brilliant rose, with inconspicuous white throat, darker than Rosy Morn, a compact grower, very free blooming, the flowers cover the foliage. Unexcelled for pots, window boxes and bedding —a truly wonderful acquisition. Pkt., 25c.

4055 Ruffled Monsters. Produces gigantic ruffled flowers; fully 7 inches across, in many wonderful colors. Most of them are very fragrant and all are free flowering. Pkt., 50c.

POPPY □

4056 American Legion. This new single Shirley poppy is a dazzling orange-scarlet of enormous size, borne on long, stout stems. The plants are of very erect robust growth and the flowers are wonderful keepers when cut in bud. A bunch was a beautiful sight for several days when put in water after a four-day trip from California in an ordinary box without the benefit of refrigeration. Pkt., 15c; oz., 80c.

4057 Ryburgh Hybrid. This champion Poppy we have no hesitation in saying is best Hardy Annual offered for some time. The flowers are double and resemble a Giant Carnation, with flat petals overlapping like a Double Begonia. The colors embrace all shades of pink, salmon, orange, etc., all self colors. The flower, if gathered young, will last four days in water and are valuable as decorative flowers. There is no objectionable Poppy smell. Cultivation is simple—mix the contents of the packet in a small basin or fine dry soil and sow the mixture, but do not rake in or cover seed. If sown in September it can be transplanted in the early spring, or sow in boxes in February and treat like ordinary annuals. These Poppies transplant well. Sowings outside can be continued up to June, when they will give a fine display during September and October. Pkt., 20c; 3 pkts. for 50c.

4058 Nudicaule New Art Shades. © A charming collection of colors in the Iceland Poppy family, including apricot, burnt orange and lovely pink shades. Pkt., 25c.

PRIMULA

4059 Hardy New Hybrids. Splendid mixed, 3 ft. ©. The result of crossing P. pulverulenta with Primulas cockburniana and Beesiana, producing flowers of all shades of rose, pink, coppery red, scarlet, purple, mauve and lilac. Pkt., 50c.

SALPIGLOSSIS

4061 Velvety Red □. A new, rich color in this family of charming hardy annuals. Like the others, it is veined and glinted with gold. Pkt., 15c.

SALVIA SPLENDENS

4060 Nana Magnifica Rosea □. The plant is dwarf and erect, the foliage is shining dark green; flowers, beautiful tender rose passing to fresh coral pink. Develops in full summer light and does equally well as a cut flower or as a bedder. Pkt., 25c.

SAPONARIA

4062 Vaccaria Rose □. 2 ft. In the Parisian flower markets this Saponaria is one of the special favorites. The light graceful sprays of glistening flowers are produced in greatest profusion. It is so valuable for vase decoration that successional sowings should be made. Charming pot plant for greenhouses Pkt., 10c.

NOVELTIES—Continued.

SCABIOSA

4063 **Amethyst** □. Best described as mid-blue, an attractive new shade in this popular "Pin cushion" plant. Pkt., 10c.

SISYRINCHIUM

4063a **Celeste (Blue-eyed Susan)** ©. 4 inch. A charming hardy perennial with dainty blue flowers in early summer. Pkt., 25c.

STATICE

4064 **Caspia** ©. Without any doubt the prettiest of all perennial Statice. The multitude of small flowers composed in spikes of a height of two to three feet are of a tender lilac color and furnish, due to their elegance, an excellent material for fashionable cutting work, but also in small beds, borders and rookeries is the Statice Caspia of great effect. Pkt., 25c.

For New Sweet Peas, see General List.

4065 **Sinuata Rosea Superba** □. The statices are becoming more and more popular as gardeners realize the possibilities of these, not only as beautiful garden flowers but also the keeping qualities, which make them a joy in a winter bouquet of everlasting flowers. This variety completes the color range, so now we can offer white, lavender and yellow as they appear in the regular text and this wonderful new shade. Pkt., 15c.

For novelties in Sweet Peas see general list on pages 69 and 70.

THUNBERGIA

4066 **Gibsoni** □. The flowers are twice the size of the older varieties. The color is a brilliant, glowing orange, the leaves are glistening green, ivy shaped. Grows out of doors in a shaded position in the summer but really does better under glass as a greenhouse climber. Pkt., 20c.

TITHONIA SPECIOSA ©

4067 **Mexican Sunflower.** A rare plant from Mexico. Perennial throwing up from the root many stout, woody stems furnished with rather large foliage. The flowers are large and remind one of an immense single Zinnia; color, dazzling orange scarlet. It forms a large shrubby plant, flowers for a long period and is especially desirable for planting among shrubs or in the background of wide borders; will also bloom in winter in the house, if lifted before frost. Pkt., 25c.

TRITOMA

4068 **Hybrida Mirabilis** □. A annual red hot poker plant. Flowers are orange and red shades with quilled petals in drooping formation on stout stems. Pkt., 15c.

ZINNIA

Dahlia Flowered □. The plants of this new race are very sturdy and produce many flowers with stout stems. In formation the broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other. The flowers often measure 4 inches in depth and 6 to 8 inches in diameter. In general appearance, the flowers compare with the Show Dahlias. We offer the following named sorts:

4069 **Dream.** Deep lavender. Pkt., 25c.

4070 **Old Rose.** Art shade. Pkt., 25c.

ZINNIA—Continued.

4071 **Exquisite.** Light rose, center deep rose. Pkt., 25c.

4072 **Golden State.** Rich orange. Pkt., 25c.

4073 **Scarlet Flame.** Bright scarlet with blending of orange. Pkt., 25c.

4074 **Monarch.** Crimson giant. Pkt., 25c.

4075 **Oriole.** Orange and gold. Pkt., 25c. Pkt. each above, 7 for $1.50.

4076 **Dahlia, Flowered Mixed.** All the above and others, Pkt., 25c; 3 pkts. for 65c.

4077 **Colossal Rose King.** A new color in the Colossal type. Pkt., 25c.

4078 **Colossal Rose Queen.** Tyrian rose with deep rose-red center. Very attractive. Pkt., 25c.

4079 **Elegans Isabellina.** A beautiful cream color. A favorite of Mrs. Francis King of Alma, Michigan. Pkt., 10c.

4080 **Giant Picotee. Mixed.** A remarkable new and distinct class with beautiful double flowers in orange, flesh, lemon, pink and cerise, each petal being distinctly tipped with various shades of dark, resembling the Picotee Carnations. Pkt., 20c.

4081 **Picotee, Golden Pheasant.** A variety of the above, having flowers of a deep orange with maroon tips. Pkt., 25c.

4082 **Picotee, La France.** Beautiful soft pink, each petal distinctly tipped with chocolate markings. Pkt., 25c.

4083 **Vaughan's Special Mixture.** This mixture contains everything that is good, new, choice and rare in Zinnias, including the Dahlia-Flowered, Picotee and Colossal types, and is sure to produce the most pleasing and satisfactory results. 3 pkts., 65c; pkt., 25c.

Vaughan's Annual Flowers

ABRONIA

55 **Umbellata Grandiflora (Sand Verbena)** □ 6 in. A charming trailing succulent plant, with Verbena-like heads of fragrant flowers, of bright rose with white center; it delights in a dry, poor soil and sunny situations on rockwork. Pkt., 10c.

ABRUS

58 **Precatorius (Crab's Eye Vine or Weather Plant)** ÷ = 12 ft. This beautiful plant has created a great sensation. If the leaves stand upward the sky will be cloudless; if they stand out straight, changeable weather is indicated; when the leaves hang straight downward, water may be expected to fall in torrents. A local storm is indicated by the curling together of the leaves. Bears clusters of bright yellow flowers, followed by pods with brilliant red seeds used for making beads, etc. Seeds should be soaked in lukewarm water before planting. Oz., 50c Pkt., 10c

ABUTILON

62 **Royal Prize (Flowering Maple or Chinese Bell Flower)** ÷ 3 to 4 ft. As indispensable for the window or greenhouse as the Petunia is for the flower garden. Grows rapidly from seed, and is soon in bloom. Leaves very ornamental and often beautifully variegated. Lovely bell-shaped flowers, borne the year round and in all colors. Pkt., 15c.

ACROCLINIUM

92 **Roseum** □ 2 ft. A pretty Everlasting, bearing graceful, daisy-like flowers, pretty bright rose with yellow center, which, when cut in the bud state can be dried and used for winter bouquets. Pkt., 5c.

93 **Roseum Flore Albo.** Graceful white, daisy-like flowers with yellow center. Pkt., 5c.

94 **Roseum Flore Pleno.** Double pink. Pkt., 10c.

95 **Roseum Flore Albo Pleno.** Double white. Pkt., 10c.

96 **Roseum Single Mixed.** Pkt., 5c.

97 **Roseum Double Mixed.** Pkt., 10c.

AGAPANTHUS

110 **Umbellatus** ÷ 1 ft. Bright blue flowers produced in clusters on long stems. Water freely. Pkt., 15c.

AGERATUM □

One of the best summer blooming plants grown from seed. They are rapid growers early and constant bloomers. During the hot dry summer months their bright flowers are produced in the greatest profusion. Set the dwarf sorts 10 inches apart and they soon make a mass of charming color.

112 **Mexicanum Coeruleum.** 18 in. Beautiful soft lavender-blue, of free branching habit. Pkt., 5c.

113 **—Album.** White. Pkt., 5c.

114 **—Mixed.** Pkt., 5c.

115 **—Nanum, Blue Perfection.** 9 in. The darkest Ageratum grown from seed. Pkt., 10c.

116 **—Nanum Luteum.** 9 in. Dwarf yellow. Pkt., 10c.

117 **—Imperial Dwarf Blue.** 6 in. A charming variety, of fine, compact growth, covered with heads of feathery flowers of a deep lavender color. Pkt., 10c.

118 **—Imperial Dwarf White.** Pkt., 10c.

119 **—Little Blue Star.** 4 to 5 in. Miniature bushes covered with clusters of flowers opening light blue with purple center and develop to a bright blue self. Pkt., 15c.

128 **—Princess Victoria Louise.** 6 in. Bushy plants covered with sky blue flowers with white centers. Pkt., 10c.

129 **Lasseauxi.** 3 ft. Clusters of handsome rose colored flowers. Pkt., 10c.

Ageratum

Annuals for Cutting

Antirrhinum	Gaillardia
Asters	Larkspur
Candytuft	Marigold
Calliopsis	Mignonette
Centaurea	Nasturtium
Chrysanthemum	Scabiosa
Clarkia	Stocks
Cosmos	Sweet Peas
Escholtzia	Zinnias

This list has been selected because of the long stems and keeping quality of the flowers. It is by no means complete, but merely suggestive.

Acroclinium

Antirrhinum (Snapdragon) ☐

Antirrhinum (Snapdragon)

For gorgeous coloring few flowers can match Snapdragons. The flowers of this new strain are of very large size, are very fragrant and are produced on immense long spikes, which render them extremely well adapted for cut-flowers. They are easily raised from seed in any rich sunny bed. If intended for winter flowering inside, cut back in September.

Tall Giant Flowering 24 to 36 inches

241 **Appleblossom.** A charming pink shade on a white ground, with a white throat.
242 **Brilliant Scarlet.**
243 **Butterfly.** Striped.
244 **Coral Red.** Dark rose.
245 **Delicata.** Delicate rose, with white throat.
246 **Delila.** Carmine and yellow, with white throat.
247 **Garnet.**
248 **Golden King.** Yellow.
249 **Lovely.** Delicate rose with pink lip.
250 **Queen Victoria.** White shaded cream, with lemon-colored lip.
251 **Rose Queen.** Brilliant rose pink.
252 **Majus Grandiflorum Mixed.**
Each of above pkt. 10c, any 3 for 25c.

Semi-Tall Sorts 18 to 20 inches

Are particularly good for bedding, as they require no staking. The flowers are most wonderful, in many new shades and tints.

253 **Amber Queen.** Canary yellow overlaid chamois pink, gold lip.
254 **Aurora.** Cinnabar scarlet, with white throat.
255 **Black Prince.** Dark crimson.
256 **Bonfire.** Orange or flame color. It has the tints of firelight.
257 **Buff Queen.** Lovely shade of rose, canary lip shaded orange.
Each of above, pkt., 10c, any 3 pkts. for 25c.

Semi-Tall Sorts—Continued.

258 **Canary Bird.** A beautiful shade of light lemon yellow.
259 **Cottage Maid.** Pale pink, white throat.
260 **Crimson Queen.**
261 **Firebrand.** Fiery orange scarlet.
262 **Golden Queen.** Rich yellow.
263 **Grenadier.** Vivid orange, white throat, yellow lip.
264 **Mauve Queen.** Rosy mauve.
265 **Queen of the North.** Regular bushes covered with large white flowers.
266 **Rose Dore.** A pretty self-salmon rose, shaded gold.
267 **Silver Pink.** Delicate rose pink, seemingly covered with a silver sheen.
268 **The Fawn.** A delightful blend of terra-cotta pink and pale yellow, soft and pleasing.
Each of above pkt., 10c; any 3 pkt. for 25c.
269 **Semi-Tall Sorts Mixed.** Pkt., 5c.
270 **Vaughan's Special Mixture of Snapdragons.** Includes all these and many other charming varieties and a packet will furnish you with a never-ending color combination of long-stemmed cut flowers suitable for home, church or hospital decoration. 1 oz. $1.25, ¼ oz. 40c, ⅛ oz. 25c, pkt. 15c.

VAUGHAN'S SPECIAL

Tom Thumb Varieties 8 inches

These Snapdragons grow about 8 inches in height, are splendidly suited for edgings and pot plants.

271 **Pink.**
272 **Snow Queen.** Splendid for pots and edging. Beautiful white flowers all summer.
273 **Fireball.** The color is the most dazzling scarlet.
Each of the above pkt., 10c; 3 pkt. for 25c.
274 **Tom Thumb Mixed.** Pkt., 5c.

AGROSTEMMA

135 **Coeli (Rose of Heaven)** ☐ 1 ft. Remarkably pretty, hardy annual of light, graceful habit; flowers light rose, shaded white. This is an annual which should be sown in the vegetable garden (as you would radishes) at different intervals, and a continuous supply of lovely cut flowers can be had all summer. Pkt., 10c.

AGROSTIS

136 **Nebulosa (Cloud Grass)** ☐ 1½ ft. An airy and graceful annual grass; looks like a line of mist when in bloom. Beautiful to mix with cut flowers. Pkt., 10c.

Alyssum (Little Gem)

ALONSOA

150 **Warscewiczi** ☐ 15 in. A fine plant with bright vermilion-scarlet flowers, suitable for bedding. For a red, white and blue border plant Alonsoa for red, Sweet Alyssum for white and Ageratum Blue Perfection for blue. Pkt., 10c.

ALYSSUM ☐

159 **Benthami Maritimum (Sweet Alyssum).** This is one of the finest annuals we have for edging and is beloved by many on account of its modest blossoms. Flowers white and honey scented. It begins to bloom early in the season, and continues until frost. Mix the seed with sand before sowing to prevent sowing too thickly. 1 lb. $2.25, ¼ lb. 60c, 2 oz. 40c, 1 oz. 25c, ½ oz. 15c, pkt. 5c.
160 **Vaughan's Little Gem, Snow-white Carpet Plant.** The plants, which are only a few inches high, grow so dense and are so completely covered with snow-white blossoms they create the impression of a beautiful snow-white carpet. Our strain of this is unquestionably the best in the world, one plant like another, absolutely perfect. 1 oz. 80c, ½ oz. 40c, ¼ oz. 25c, pkt. 10c.
161 **Compactum Lilacinum, Lilac Carpet Plant.** Distinct variety with delicate lavender flowers. Very dwarf. Pkt., 10c.

AMARANTHUS ☐

Brilliantly foliaged annuals, some of the varieties bearing curious racemes of flowers. All are useful in borders of tall plants, among shrubs, or for the centers of large beds. Do not grow them too closely together, but give them sufficient room to develop their full beauty. When flowered in small pots under glass they are very charming.

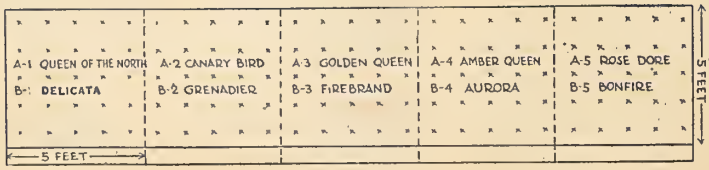
170 **Atro-purpureus.** 4 ft. Beautiful, dark purple flowers. Pkt. 5c.
171 **Caudatus (Love Lies Bleeding).** 3 ft. Drooping red spikes. Pkt. 10c.

Amaranthus—Continued.

172 **Cruentus (Prince's Feather).** 3 ft. Dark red feathery flowers. Pkt., 10c.
173 **Salicifolius (Fountain Plant).** 3 ft. Willow leaved. Graceful red and yellow foliage of drooping habit. Pkt. 10c.
175 **Tricolor (Joseph's Coat).** 2½ ft. The inner foliage is of blackest bronze, tipped with green, while the outer foliage is bright scarlet and gold. Pkt., 10c.
180 **Fine Mixed.** Many others. Pkt., 5c.
181 **Vaughan's Special Mixture.** A well balanced mixture of the above and others. ¼ oz., 25c; pkt., 15c.

VAUGHAN'S SPECIAL

Amaranthus (Tricolor)



Color Scheme Border of Semi-Tall Snapdragons
Two Combinations

Collection A 48. One packet each of Queen of the North, Canary Bird, Golden Queen, Amber Queen and Rose Dore, Semi-Tall Snapdragons, sufficient to plant "A" arrangement of border as diagrammed. Sent postpaid for 40c.

Collection B 48. One packet each of Delicata, Grenadier, Firebrand, Aurora and Bonfire, Semi-Tall Snapdragons sufficient to plant "B" arrangement of border as diagrammed. Sent postpaid for 40c.

AMMOBIUM

194 **Alatum Grandiflorum** □ 2½ ft. This pretty white Everlasting should be in every garden. Grows also in sandy soil. Pkt., 10c.

ANAGALLIS

200 **Grandiflora Mixed** □ 6 in. Lovely dwarf plants, exceedingly effective as edgings, also charming on rockwork and in pots. Pkt., 10c.

ANCHUSA

201 **Capensis (Summer Forget-me-not).** 2 ft. A hardy annual of more than ordinary beauty. It grows about two feet high, branching freely and bearing a profusion of the most lovely flowers similar in all respects to the Forget-me-not, though the blossoms are much larger and of finer color. It is always taken for a beautiful large flowering Forget-me-not, and for bouquets and cut flowers it is indeed superior to it. It blooms early and continues all summer. Pkt. 10c.

ANTIGONON

240 **Leptopus (Mexican Mountain Rose)** =. Handsome summer-blooming greenhouse climber, requiring abundance of light. In the South it blooms freely in the open. Flowers beautiful rose-pink. Pkt. 10c.

ARCTOTIS GRANDIS (African Daisy)

355 A remarkably handsome annual from Southwest Africa. It forms much branched bushes 2 to 3 feet high; its flowers are large and showy, being pure white on the upper surface, the reverse of petals pale lilac-blue. It is easily grown from seed, and may be started in hotbed, in the house or in the open ground, the seed germinating in about five days, and the plants may be expected to come into bloom early in July and continue until quite hard frost. It delights in a sunny situation. As a cut flower it is especially valuable, the blooms lasting a week or ten days in water, and if undeveloped buds are cut and placed in a sunny window every one will open and produce a fine flower as though left on the plant. Pkt., 10c.

ARGEMONE

356 **Grandiflora (The Prickly Poppy)** □ 2 ft. Lovely plants with an ornamental foliage and large, handsome poppy-like flowers, snowy white, filled in the center with golden stamens, very beautiful. Pkt. 10c.

ARTEMISIA

357 **Sacrorum Viridis (Summer Fir)** □ Ornamental foliage plant. It forms pyramidal bushes 3 to 5 ft. high. The foliage is a rich, dark green color. Pkt. 15c.

ASPARAGUS

384 **Plumosus Nanus (Lace Fern)** + 3 ft. The bright green sprays surpass the Maidenhair Fern in grace and delicacy of texture The hard seeds need soaking and bottom heat to sprout them. 10 seeds, pkt. 15c.

386 **Sprengeri (Emerald Feather)** + A very elegant foliage plant for hanging baskets, etc.; the minute flowers, which are produced in pretty racemes, are of a rose color with orange anthers. 10 seeds, pkt. 15c.

Balloon Vine

ASPERULA

389 **Azurea Setosa** □ 1 ft. Numerous sweet scented pale blue flowers; remains in bloom for a long period. Very effective in a large bed, especially in the early months of the year from autumn sowing. Pkt., 5c.

BABY BREATH—See Gypsophila Paniculata

BALLOON VINE

660 **Love in a Puff** □ =. A clean, free-growing vine reaching 10 to 15 feet, bearing delicate clusters of bloom and numbers of large, round, inflated seed-buds resembling miniature balloons. The effect is most odd and curious. Pkt., 5c.

BALSAM (Apple)

661 **Apple** □ = 10 ft. A very ornamental and quick growing climber. While it has a flower, it is grown mostly for the effect of the fruit which follows. This is yellow, looks not unlike an apple—hence its name. When ripe it opens and shows the seeds and blood-red interior. Pkt., 10c.

662 **Pear.** Like above, only the fruit is pear-shaped. Pkt., 10c.

663 **Apple and Pear Mixed.** Pkt., 10c.

DOUBLE BALSAM (Lady Slipper)

1½ to 2 ft.

An old and favorite garden flower, producing its gorgeous masses of beautiful brilliant colored double flowers in the greatest profusion. Balsams like the hot sun, rich soil and plenty of water. For perfect development the plants should be set from 12 to 18 inches apart. Transplanting two or three times has the tendency to dwarf the plants into better shape and to make the flowers more double.

675 **Alba Perfecta.** Pure white.

676 **Atrosanguinea Plena.** Flowers and leaves red.

677 **Crimson.**

678 **Crimson Spotted.**

679 **Dark Blue.**

680 **Flesh Pink.**

681 **Lemon Queen.**

682 **Lilac.**

683 **Prince Bismarck.** Salmon pink.

684 **Solferino.** Striped lilac, white and scarlet.

685 **The King.** Brilliant scarlet.

686 **The Queen.** Pale rose.

Each of the above, pkt. 10c; any 3 pkts. for 25c.

689 **Double Rose and Camellia-flowered Mixed.** Pkt., 10c.

690 **Vaughan's Invincible Balsams Mixed.** Mixed from separate colors and includes everything that is desirable in Balsams. Pkt., 15c.

691 **Dwarf Balsams Mixed.** 8 in. perfect little bushes with double and semi-double flowers. The colors are pretty and pleasing. Pkt., 5c.

692 **Goliath White.** 4 ft. Remarkable for their immense height and extreme doubleness. Excellent for large and striking flower groups. Pkt., 10c.

693 **Goliath Scarlet.** Extremely brilliant, large and very double. Pkt., 10c.

695 **Giant Chamois Rose.** A most pleasing color; new. Pkt., 10c.

BARTONIA

696 **Aurea** □ 12 in. One of the most showy of annuals, excellent both for beds and borders; producing showy, golden-yellow flowers. The foliage is gray and thistle-like, and is exceedingly brilliant in the sunshine. It will not stand transplanting, so should be sown where intended to bloom. Sow in the open ground early in May. Blooms through summer and fall. Pkt., 10c.

BEGONIA SEMPERFLORENS

Ever-Blooming Bedding Varieties

A continuous flowering section of begonias of the greatest value for bedding; the flowers, although small, are of brilliant colors and borne in great profusion from summer to autumn. Seedlings of spring bloom in summer while seedlings of summer make valuable decorative plants for the house during winter. While care must be taken in the germination of the tiny seeds at first it amply repays one as it is one of the few plants which can survive in a steam or furnace heated house.

700 **Erfordia.** A pretty variety, densely covered with handsome flowers of a delicate rose color. Pkt. 20c.

Balsam—Vaughan's Invincible Mixed

BEGONIA—Continued.

701 **Gracilis Luminosa.** Large, bright scarlet flowers. Pkt. 25c.

702 **Gracilis Prima Donna.** 1 ft. Forms a broad, full bush with dense foliage. The flowers are a brilliant, clear pink, shading to carmine rose. Pkt. 25c.

704 **Semperflorens Atro-purpurea Vernon.** Bright orange carmine flowers, deep red foliage. Pkt. 10c.

705 **Semperflorens Mixed.** Pkt. 10c.

706 **Melanie.** The color is white, beautifully edged with pink. Pkt. 25c.

Tuberous-rooted Varieties

For brilliancy of color, duration and profusion of bloom, few plants can compare with the tuberous-rooted begonias offered. For greenhouses decoration and for summer bedding they are unequaled. Seedlings raised in heat early in spring will flower the same summer.

707 **Single Tuberous-Rooted Mixed.** Saved from finest exhibition varieties, all having large, well-formed flowers of many brilliant shades of color. Pkt. 35c.

708 **Double Tuberous-Rooted Mixed.** Producing on strong, erect stems an abundance of very double flowers, ranging from brilliant rose to carmine, often with white margin or mottling. Very striking. Pkt. 50c.

709 **Frilled Tuberous-Rooted.** Seed saved from selected, best frilled flowers. Pkt. 35c.

Meriden, Conn., Feb. 26th, 1921

Last year I had a trade package of Non-Lateral White Asters. I raised about 500 plants and picked and sold arms full of them. The stems were fully three feet long, and flowers measured six inches across. I easily won first prize at the Charter Oak Fair, Hartford, Conn., Labor Day week. FRED. W. LORENZ.

Brachycome

For Description see Page 52

Vaughan's Giant Branching Asters

Dwarf Section Up to 10 inches

401 **Vaughan's Snowball.** The best dwarf white aster. The beautiful shape of the snow-white flowers and the free flowering habit of the plants are unequaled in any other dwarf aster. Pkt., 15c.

402 **Vaughan's Fireball.** The most brilliant dwarf aster. It forms a neat, well-formed bush, covered with beautifully shaped flowers of the brightest scarlet; very effective for bedding and for pots. Pkt., 15c.

403 **Dwarf Comet. Mixed, all colors.** Handsome and very distinct, resembling the Japanese Chrysanthemum in shape and flowers. The petals are very long and beautifully curled. Pkt. 10c.

404 **Boltze's Dwarf Bouquet. Mixed, all colors.** Pretty little plants of handsome form, completely covered with flowers, each plant forming a neat bouquet. The flowers are the most distinct and delicate shade. Pkt. 10c.

406 **Dwarf Chrysanthemum Flowered. All colors, mixed.** Of very compact growth; 3½-in. flowers; free flowering and later than other varieties, therefore valuable for succession. Excellent for formal bedding. Pkt., 10c.

Vaughan's Excelsior Mixture of Dwarf Asters

525 Many of our customers find it difficult to choose among the strains of all dwarf asters, and where exact heights are not required, we recommend planting our **Excelsior Mixture.** It is comprised of the most distinct and desirable colors of the different classes of dwarf asters, and many others not listed, especially selected for this mixture, insuring satisfaction to the grower. ⅛ oz., 50c; large pkt., 25c; pkt., 15c.

VAUGHAN'S SPECIAL

Semi-Tall Section 11 in. to 16 in.

Daybreak (Improved American Victoria)

The Daybreak class forms strong bushy plants of very even growth. The full round flowers grow on strong, stiff upright stems. Extremely valuable for bedding.

410 **Purity.** Pure white.
411 **Pink.**
412 **Salmon.**
413 **Rose.**
414 **Blue.**
415 **Lavender.**

Each of the above, pkt. 10c; any 3 pkts. for 25c.

416 **Mixed, all colors.** Pkt., 10c.

Giant Comet

This giant class is an improvement on the old and inferior Comet class, not only in bearing much larger flowers, but the petals are longer and broader.

431 **White.**
432 **Yellow.**
433 **Queen of Spain.** Soft yellow, turning to flesh.
435 **Rose.**
436 **Purple.**
437 **Crimson.**
438 **Light Blue.**
439 **Shell Pink.**
440 **Lavender.**
441 **Dark Blue.**

Each of the above, pkt. 10c; any 3 pkts. for 25c.

442 **Mixed, all colors.** Pkt., 10c.

The Mikado

Petals are narrow, very long and gracefully reflexed. The outer petals show to their full extent, while gradually toward the center they bend and curl on each other in such magnificent disorder as to make the fluffiest aster we have ever seen.

480 **White.** Pkt., 10c.
481 **Pink Rochester.** Exquisite shade of shell-pink. The official flower of the city of Rochester. Pkt., 10c.

Queen of the Market

The best early aster, usually in full bloom two weeks before most other sorts begin to blossom. Of graceful spreading habit.

485 **White.**
486 **Flesh.**
487 **Pink.**
488 **Crimson.**
489 **Scarlet.**
490 **Light Blue.**
491 **Lavender.**
492 **Purple.**
493 **Dark Blue.**

Each of the above, pkt. 10c; any 3 pkts. for 25c.

494 **Mixed, all colors.** Pkt., 10c.

Tall Section 16 inches and up

American Beauty

Is similar in type of flower and growth to the well-known Late Branching Asters, but differs in that all the large blossoms are produced on much longer and heavier stems. The flowers are fully double to the last.

495 **White.**

496 **Carmine-Rose.** A most lovely shade of bright carmine-rose, almost identical with the world-famous American Beauty Rose.

Vaughan's

During the late summer and early fall the garden is usually a riot of reds and yellows, so the asters in their dainty and distinct colors as well as their many attractive forms are a pleasing addition. The long stems make them desirable for cut flowers and the blooms last long in water. It should be remembered however in regard to Asters that good culture is essential in order to obtain an abundance of fine flowers.
Our Asters are, with few exceptions, American grown. The culture of these glorious summer

Tall Section—American Beauty—Continued.

497 **Purple.** Beautiful rich, velvety purple.
498 **Lavender.** Beautiful, clear lavender.
499 **Sept. Beauty.** Delicate, soft shell pink.
500 **Rose Pink.**

Each of the above, pkt. 15c; any 3 pkts. for 35c.

501 **Mixed, all colors.** pkt. 15c.

Giant Crego

The flowers are of immense size, usually measuring from four to five inches in diameter, and borne on stems twelve inches or more in length. Their lasting qualities when cut are unsurpassed. The petals of the refined and beautiful flowers are most attractively curled and twisted, resembling choice Japanese Chrysanthemums. The plants are of strong branching growth and usually attain a height of from two to two and one-half feet. The delightful flowers are borne in abundance from late August until the end of September.

515 **White.**
516 **Shell Pink.**
517 **Rose Pink.**
518 **Crimson.**
520 **Lavender.**
521 **Dark Blue.**
522 **Purple.**

Each of the above, pkt., 10c; any 3 pkts. for 25c.

523 **Mixed, all colors.** Pkt., 10c.

Crown

Large flowered variety, each bloom of which has a clear white center. It is wonderfully attractive.

530 **Mixed, all colors.** pkt. 10c.

Vaughan's Giant Branching

Beautiful asters for cut-flowers. Quite different in several respects from any other aster known. The branching habit is accompanied with great vigor of growth and profusion of bloom. The flowers are very large, very double, borne on long, stiff stems, and the colors clear and handsome.

540 **White.**
541 **Peachblossom.**
542 **Flesh Pink.**
543 **Rose Pink.**
545 **Crimson.**
546 **Mid Blue.**
547 **Lavender.**
547a **Dark Violet.**
548 **Purple.**

Each of the above, pkt. 10c; any 3 pkts. for 25c.

549 **Mixed, all colors.** Pkt., 10c.

HEDGES FROM SEED

Marvel of Peru (Four O'Clock), Salvia (Flowering Sage), Kochia (Summer Cypress or Burning Bush).

Aster Crego

Asters

and fall flowers has absorbed the attention of the American seed growers for some years past and it has been proved our climate is ideal for the perfect growth of this family. With the perfect growth and giant size the seedsman has been encouraged to make selections of various characteristics which distinguish these types and now the American Asters resemble huge hothouse grown Chrysanthemums. We offer a leaflet on the culture of Asters which is supplied free if asked for at the time of ordering.

Tall Section—Continued.

Vaughan's Giant Ostrich Feather

The finest type of the Giant Comet, or Ostrich Feather type of Aster. Much larger than the Giant Comet, the petals longer, more twisted, and produced in greater abundance. Borne on long stems, they make cut-flowers par excellence.

563 **White.**
565 **Soft Pink.**
566 **Lavender.**
567 **Rose.**
568 **Crimson.**
569 **Silvery Lilac.**
569a **Light Blue.**
570 **Dark Blue.**

Each of the above, pkt. 10c; any 3 pkts. for 25c.

571 **Mixed, all colors.** Pkt., 10c.

572 **Early Flowering Giant Ostrich Feather. White.** Pkt., 10c.

573 **Early Flowering Giant Ostrich Feather, Rose.** Pkt., 10c.

Soleil D'Or

574 **Golden Sun.** This is the best yellow Aster. The quilled flowers are of fair size; they are borne on long stems; the color is a pleasing light yellow. Pkt., 15c.

The King

The habit is similar to the popular Giant Branching, vigorous in growth, long stiff stems. In form the flower is entirely distinct from any other variety; petals somewhat resemble the quilled varieties, but are much larger and broader, those in the center being curled and incurved, completely covering the crown. In shape and size the bloom is round, full and very large.

575 **White.**
576 **Pink.**
577 **Rose.**
578 **Crimson.**
579 **Violet.**
580 **Lavender.**

Each of the above, pkt. 10c; any 3 pkts. for 25c.

581 **Mixed, all colors.** Pkt., 10c.

King Aster

Vaughan's Giant Ostrich Feather Asters

The Royal (Early Flowering Branching)

A new class of American Aster. Its habit of growth is entirely distinct, the stems growing directly from the ground and not on side-shoots from the main stem like other varieties. Medium early bloomer.

585 **White.**
586 **Shell Pink.**
587 **Rose Pink.**
588 **Lavender.**
589 **Purple.**

Each of the above, pkt. 10c; any 3 pkts. for 25c.

590 **Mixed, all colors.** Pkt., 10c.

American Astermum

An attractive and descriptive name for a new race of asters which belong to the Comet family. The plants are of strong upright growth with 12 to 15 strong stems 20 inches long, each carrying a flower of perfect form.

591 **Snow White.**
592 **Rose Pink.**
593 **Lavender.**

Each of the above, pkt., 10c; 3 pkts. for 25c.

Other New American Varieties

594 **Ball's White Flower** is a sphere of pure white petals, borne on a long, stout stem, a mid-season variety. Pkt., 25c.

595 **Lavender Gem.** One of the most charming sorts. The flowers are of a true lavender shade and the petals are gracefully curled and twisted, and the blooms are borne on long, firm stems. Pkt., 15c.

600 **Peerless Pink.** The flowers are enormous, globular in shape, many five inches across, of a most delightful and pleasing rich shell pink. First flowers appear about the middle of August, but the plant is at its zenith about four weeks later. Pkt., 15c.

Vaughan's Excelsior Mixture of Tall Asters

625 This is a mixture of the most beautiful, striking and distinct colors of all the tall-growing asters. Selected from the cream of the tall varieties and others especially purchased for this mixture. This is the finest mixture of **Tall Asters** in existence, and the most critical lover of this flower will be astonished at the wide range of colors and varieties given in this truly Excelsior strain. ⅛ oz., **50c**; large pkt., **25c**; pkt., **15c.**

VAUGHAN'S SPECIAL

AMERICAN VARIETIES—Continued.

601 **Crimson Giant.** This shade has been one which has seemed to lack intensity of color, but in this variety the blood-red blossom is particularly bright and the extreme doubleness of its flowers make a bed of them a mass of oriental splendor in a garden. Pkt., 15c.

602 **White Perfection.** A fine new midseason Aster of tall, upright growth, carrying about twelve large, long-stemmed, pure white double flowers about four inches in diameter, of perfect form, the broad, slightly folded petals being arranged in circular rows, like some Dahlias. Pkt., 15c.

603 **Miss Roosevelt.** Primrose changing to flesh. Pkt., 10c.

610 **Sensation.** Bushy and branching plant about two feet high, flowers double and incurved, resembling a Dahlia and the flower a lively cardinal red. The flowers are wonderfully attractive in the garden and when cut and used under artificial light the effect is charming Pkt., 15c.

Mixtures in Variety

620 **Asters, Tall Mixture.** Many classes and colors. If one has a large space where the cultivation of flowers is for cut flowers only, we would suggest a liberal planting of this mixture of Asters, and while the newer kinds, such as our Excelsior mixture contains, are lacking, still many charming varieties are included in this, and the flowers will be in succession from early in the summer to late in the fall. 1 oz., 75c; ¼ oz., 25c; pkt., 10c.

621 **Asters, Dwarf Mixture.** This is a mixture of many varieties of dwarf sorts and where a large mixed bed of asters is desired this will answer the purpose nicely. ⅛ oz., 25c; pkt., 10c.

Single Marguerite Aster

Plants strong, vigorous and of handsome pyramidal habit, very free blooming, and produce their beautiful flowers on long slender stems. The flowers are from 2 to 3 inches in diameter, with small yellow centers, and last a week when cut.

622 **White.**
623 **Dark Blue.**
624 **Pink.**
624a **Lavender.**
626 **Mauve.**

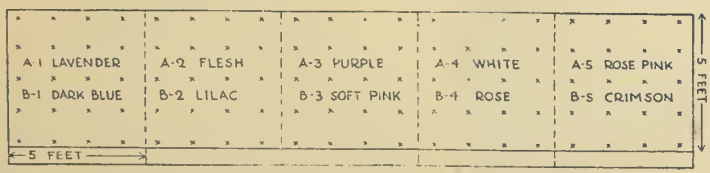
Each of the above, pkt. 10c; any 3 pkts. for 25c.

627 **Marechal Joffre.** A large flowered single red; excellent for cutting. Pkt., 15c.

628 **Mixed, all colors.** Pkt.. 10c.

For new varieties see Pages 45, 46 and 47.

Aster—American Beauty



Color Scheme Border of Asters

Two Combinations

Collection A51. One packet each of Lavender, Flesh, Purple, White and Rose-pink **Late Branching Asters,** sufficient to plant "A" arrangement of border as diagrammed. Sent postpaid for 40c.

Collection B51. One packet each of Dark Blue, Lilac, Soft Pink, Rose and Crimson **Ostrich Plume Asters,** sufficient to plant "B" arrangement of border as diagrammed. Sent postpaid for 40c.

Briza

BELLIS PERENNIS FL. PL.

English Daisy 6 to 8 inches

A low growing spring flowering plant. Loves a shady place and will reward the gardener with a mass of blossoms for succeeding years if left undisturbed.

720 **Snowball.** Double pure white. Pkt., 10c.
721 **Longfellow.** Double dark pink. Pkt., 10c.
722 **Double Choice Mixture.** Pkt., 10c.
723 **Mammoth White.** Larger than Snowball. Pkt. 15c.
724 **Mammoth Pink.** Larger than Longfellow. Pkt. 15c.
725 **Mammoth Mixed.** Pkt. 15c.
728 **Red, Double.** Pkt. 20c.
729 **Rosy White, Double.** Frilled. Pkt. 20c.

BIRD OF PARADISE.—See Poinciana.

BRACHYCOME (Swan River Daisy) □

12 inches

A free-flowering, dwarf-growing annual; covered during the greater part of the summer with a profusion of pretty blue or white flowers, suitable for edgings, small beds or pot culture.

737 **White.** 739 **Blue.** 740 **Mixed.**
Each of the above, pkt., 10c.

BRIZA

744 **Maxima (Quaking Grass)** □ 12 in. Valuable for winter bouquets and wreaths. The seed clusters are heart shaped and gracefully poised on such slender stems that they are almost constantly in motion. Pkt. 10c.

BURNING BUSH—See Kochia

BROWALLIA □ 1 ft.

One of our favorite profuse blooming bedding plants, covered with rich, beautiful winged flowers during the summer and autumn months, supplying a shade of intense blue, very uncommon; grows freely in any rich soil; blooms finely in the winter if lifted in autumn and cut back.

745 **Speciosa Major.** A beautiful flowering variety of the most brilliant ultramarine blue; a rare color; does finely outside in the border or in hanging baskets or in vases. Pkt., 15c.
746 **Elata Mixed.** Blue and white. Pkt., 10c.

BRYONOPSIS

748 **Laciniosa** □ = 10 ft. An ornamental climber of the gourd family, bearing green fruit which changes in color to bright scarlet striped white. Pkt., 10c.

CACALIA □ 2 ft.

Each flower is a miniature paint brush of orange scarlet produced on long wiry stems which make it an excellent cut-flower. An old but little known annual for the border worth trying.

750 **Tassel Flower or Flora's Paint Brush.** Pkt., 10c.

CALANDRINIA

751 **Grandiflora.** Handsome, hardy annual; fleshy leaves and bright rose-colored flowers; especially suitable for sunny situations. Pkt., 10c.
752 **Umbellata.** Hardy perennial of trailing habit, producing brilliant crimson flowers. Excellent for rockwork and sunny situations. Blooms the first season. Pkt., 10c.

CALCEOLARIA

755 **Hybrida Grandiflora (Pouchflower). Fine Mixed.** + 1½ ft. The gorgeous beauty of these flowers renders them indispensable for greenhouse decoration. Is not of easy culture, but a very desirable flower. Bears a large profusion of small, pocket-shaped flowers, many of which are beautifully tigered or spotted. Pkt. 300 seeds, 25c.
756 **Rugosa Aurea, Rain of Gold.** 12-in. small flowering for bedding. Pkt., 25c.
757 **Rugosa, Mixed.** Includes nearly all the beautiful shades found in the Herbaceous Calceolaria. Pkt., 25c.

CALENDULA (Pot Marigold) □ 1 ft.

One of the best and showiest free-flowering hardy annuals, growing in any good garden soil, producing a fine effect, in beds or mixed borders, particularly bright in late fall, continuing in bloom from early summer until killed by frost; valuable also for pot culture, blooming freely in winter and early spring.

766 **Officinalis, Orange King.** The outer petals are slightly imbricated, while those of the center are curved like those of the peony. Color glowing orange. Pkt., 10c.
767 **Officinalis, Sulphur Queen.** Large sulphur yellow. Pkt., 10c.
768 **Officinalis, Meteor.** Apricot-orange, striped primrose. Pkt., 5c.
769 **Pongei Flore Pleno.** Double white flowers. Pkt., 10c
770 **Mixed, all colors.** For woodlands, wild gardens and perennial borders. Pkt., 5c.

CALIFORNIA POPPY—See Escholtzia

CALLIOPSIS (Tickseed) 6 in. to 2 ft.

Very graceful border plants, supplying throughout summer an abundance of elegant showy flowers which are greatly prized for bouquets and vases. They will thrive anywhere, even in city gardens, where their bright colors are highly appreciated.

780 **Crown of Gold (Coronata Maxima).** Splendid cut flower. Pure golden yellow, 2 inches across, on long, wiry stems; hardy and blooms nearly all season. Pkt., 10c.
781 **Golden Ray.** 6 to 8 in. Flowers golden yellow with dark, purplish-brown center. Pkt., 10c.
782 **Drummondi, Golden Wave.** 2 ft. Flowers yellow with a circle of rich crimson-brown around the eye. Pkt., 5c.
783 **Hybrida Superba.** Forms dense bushes desirable for pots, groups and borders. Pkt., 10c.

Calendula

Calliopsis

CALLIOPSIS—Continued.

784 **Radiata Tigrinia (Tiger Flower).** 6 to 8 in. Flowers large reddish-brown, turning golden-yellow. Pkt., 10c.
788 **Tall Varieties, Mixed.** Valuable for wild gardens, etc., and for cutting. Pkt., 5c.
789 **Dwarf Varieties, Mixed.** Valuable for small mixed beds and borders. Pkt., 5c.
790 **Double Mixed, all colors.** Pkt., 10c.
800 **Vaughan's Special Mixture Calliopsis.** This is the most pleasing mixture offered. It contains all the desirable sorts and colors of these beautiful flowers. A great number of kinds have been especially selected for it. ½ oz., 30c; pkt., 10c.

CANARY BIRD VINE □ = 15 to 20 ft.

840 A dainty vine with beautiful cut leaves and pretty, delicate flowers of a clear canary-yellow. From the color of its blossoms and also from a fancied resemblance of their shape to a bird with wings expanded the plant obtained its common name. Does well in the shade. Pkt., 10c.

CANDYTUFT □

These Candytufts are of fine habit and profuse bloomers. They soon flower from seed and remain long in beauty. For massing in flower beds and borders and for edgings they are admirably adapted, while for cutting, the flowers are greatly prized.

845 **Giant Hyacinth-Flowered White.** 1 ft. A grand border plant, bearing very large, bold spikes of snowy white flowers, habit sturdy and compact. This is an especially select stock. Oz., 85c; ¼ oz., 25c; pkt., 10c
846 **Empress.** Pure white, splendid cut flower. Pkt., 5c.
850 **Queen of Italy.** 8 in. The plants form dwarf bushes covered with large pink blooms. Pkt., 10c.
851 **Snowflake.** The very sweetest of all. May be planted in fall as ground cover for tulip beds. Pkt., 10c.
852 **Umbrellata Carminea.** Carmine. Pkt., 10c.
854 **Umbellata Purpurea.** Crimson. Pkt., 10c.
855 **Umbellata Rose Cardinal.** Brilliant deep rosy-red; one of the most effective for bedding. Pkt., 10c.
856 **Umbellata Lilacina, Lilac.** A particularly charming color. Pkt., 10c.
857 **Dwarf Hybrids Mixed.** Plants of fine, compact growth, covered with large flowers ranging in color from rose, salmon, coral pink and delicate blush to lilac and purple crimson. Pkt., 10c.
860 **Mixed, all colors.** ½ oz., 15c; pkt., 5c.

FOR SHADY AND PARTLY SHADED PLACES

Achillea, Asperula Azurea Setosa, Balsams, Begonia, Bellis, Campanula, Columbine, Cowslip, Coreopsis, Foxglove, Kenilworth Ivy, Lobelia, Mimulus, Myosotis (Forget-me-not), Pansy, Poppy (Perennial), Viola Cornuta.

Canary Bird Vine
For Description See Page 52.

CANNA ÷ 2½ to 8 ft.

Enormous brilliant clusters of bloom borne on spikes above broad leaves of green or bronze, in tropical effect. No park, no public garden, private estate, or even moderate town plat is complete in summer without a showing of Cannas. These are usually planted from roots or started plants, but they can be successfully grown from seed if planted early. The seed should be pierced in one spot with a file and soaked in lukewarm water for 24 hours before sowing. A splendid lot of plants may be produced at a much reduced cost.

900 **Giant Flowered, Mixed.** Pkt., 10c.
For Canna plants see Pages 73 and 74.

CARDINAL CLIMBER □ = 25 ft.

901 This is a very attractive, strong and rapid grower, attaining a height of 25 feet, with beautiful fern-like laciniated foliage and literally covered with a blaze of fiery cardinal red flowers from midsummer to frost. The flowers are about 1 inch in diameter and are borne in clusters five to seven blooms each. Like all Ipomoeas it delights in a warm, sunny situation and good, rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about May 1st. 2 pkt., 25c; 5 pkt., 50c; pkt., 25 seeds, 15c.

CARNATIONS □

The Carnation has long been prized as a hardy border flower, and it certainly deserves all the praise lavished upon it. Being hardy, free-flowering, and easily grown either in flower-beds, borders, or pots, it is one of the most valuable and beautiful of our summer flowers and a favorite with everyone. Plants raised from seed bloom more profusely than propagated plants, and are therefore to be preferred.

910 **Chabaud Mixed.** A remarkable strain raised by a Carnation specialist in southern France. Blooms in 5 months after being sown, and continues to flower indefinitely in the greatest profusion. Pkt., 100 seeds, 15c.

911 **American Hybrids.** A valuable race of large-flowered carnations, bearing their handsome blooms on long wiry stems for a long time in succession. Pkt., 35 seeds, 25c.

914 **Marie Chabaud.** Pure canary yellow. Pkt., 50 seeds, 15c.

920 **Guillaud Riviera Market.** Nearly all double flowers of fine form and delicate shades, including yellow. Pkt., 25c.

930 **Giant Margaret Mixed.** Flowers of very large size, measuring 3 in. or more in diameter; colors include all the shades of white, pink, crimson and striped. Upright growth requiring hardly any support. Pkt., 100 seeds, 15c.

931 **Giant Margaret White.** Pkt., 50 seeds, 15c.

CARNATIONS—Continued.

950 **Margaret, Double Mixed.** Pkt., 10c.
952 White.
954 Yellow.
956 Pink.
958 Striped.
960 Red.
Each of the above, pkt., 10c; any 3 pkts. for 25c.

975 **Vaughan's Special Mixture.** This is a mixture of the best strains. The plants will bloom the first summer and will produce many flowers equal to the best florist's Carnation. They may be lifted in Sept., potted and will bloom all winter in the house. Pkt., 100 seeds, 25c.

VAUGHAN'S MIXTURE OF ANNUAL FLOWER SEEDS FOR CUT FLOWERS

902 This will produce a glorious amount of flowers for cutting. We would suggest planting this in rows in the vegetable garden where the plants may be cultivated and the blossoms kept cut close so the production of flowers will be encouraged as the more one cuts the more one has to cut. The secret being not to allow any seed pods to form. ¼ oz., 20c; oz., 50c; pkt., 10c.

CELOSIA (Coxcomb) □ 8 in.

Cristata or Crested Dwarf Sorts

Very popular annuals of easy culture, producing large, ornamental, comb-like heads like ruffled chenille. Prized for pots or summer flower beds.

1010 **President Thiers.** Fine dwarf habit, with bronzy foliage, and large handsome velvety crimson combs. Pkt., 10c.
1014 **Empress.** Blood-red combs and brown foliage. Pkt., 10c.
1016 **Aurea.** Golden yellow combs. Pkt., 10c.
1018 **Rosea.** Pink combs. Pkt., 10c.
1019 **Dwarf Mixed.** All the above and others. Pkt., 10c.
1021 **Tall Coxcomb Mixed, 18 to 24 in.** Pkt., 10c.

Plumosa or Plumed Varieties 2½ to 3 ft.

These stately plants are considered among the most ornamental, and should not be omitted in any garden. They generally form pyramidal bushes branching out in candelabra shape, and the numerous massive plumes which resemble ostrich feathers, wave gracefully above the foliage.

1022 **Plumosa Aurea.** Orange ostrich plume. Pkt., 10c.
1024 **Plumosa Coccinea.** Crimson ostrich plume. Pkt., 10c.
1025 **Plumosa Mixed, all colors.** Pkt., 5c.
1026 **Plumosa Thompsoni Magnifica.** A choice strain of the Ostrich Plume Celosias. Pkt., 10c.

See also novelties.

Candytuft
For Description See Page 52.

Cardinal Climber

CELOSIA, Plumosa—Continued

1027 **Pride of Castle Gould.** Plants grow compact and pyramidal and produce immense flower heads, resembling willow plumes in many remarkable shades. Pkt., 25c.

1028 **The Chinese Woolflower (Celosia Childsii).** Plants grow two to three feet high, the bloom starting early with a central head, round and globular, which often reaches the immense size of two feet in circumference. Scores of branches are thrown out, each bearing a ball of scarlet wool. All these branches support numerous laterals with small heads of bloom mixed with fresh green foliage, so that a plant looks like an immense bouquet splendidly arranged and set in the ground. None of the blooms fade until hit by frost; but all continue to expand and glow with a deepening richness of color, a dark crimson-scarlet. Pkt., 15c.

1029 Spicata. Plants are erect and grow 3 feet in height, branching freely, each stem terminating in a round, slender pointed spike of bloom, 3 to 4 inches in length and one-half inch in diameter. The flowers at first are a soft bright rose, changing to silver white, so that a fully developed spike resembles a slender silver plume with a bright carmine tip. Pkt., 5c.

1032 **Dwarf Plumosa Mixed.** Good for pots. Pkt., 10c.

CENTAUREA

1039 Americana. 3 ft. A splendid native variety; bears immense thistle-like blooms of rosy-lavender color. Pkt., 10c.

1040 Americana Alba. 2½ ft. Star Thistle. Immense heads of double fluffy blooms, almost pure white. Pkt., 10c.

CENTAUREA CYANUS (Bachelor's Button or Cornflower) □ 2 ft.

It is not a pretentious plant but will always charm by its simple beauty. Re-seeds itself and may be used for naturalizing purposes.

Single Flowering

1045 **Mixed, all colors.** ½ oz., 15c; pkt., 5c.

Double Flowering Varieties

1046 **White.** Pkt., 10c.
1047 **Blue.** Pkt., 10c.
1048 **Pink and Rose Shades.** Pkt., 10c.
1048a **Purple.** Pkt., 10c.
1049 **Double Mixed.** Pkt., 10c.
1050 **Dwarf Victoria.** 9 in. Edging, blue. Pkt., 10c.
1051 **Vaughan's Special Mixture of Bachelor's Buttons,** double and single varieties. 1 oz., 60c; pkt., 10c.

HEDGES FROM SEED

Marvel of Peru (Four O'Clock), Salvia (Flowering Sage), Kochia (Summer Cypress or Burning Bush).

Carnation

For Description see Page 53

CENTAUREA—Continued

Imperialis (Giant Sweet Sultan) 2½ ft.

This beautiful class is undoubtedly the finest of all Sweet Sultans for cut flower purposes. The beautiful sweet scented, artistic shaped flowers are borne on long, strong stems; when cut will last for several days in good condition.

1064 **White.**
1065 **Lilacina.** Dark lilac.
1066 **Favorita.** Brilliant rose.
1067 **Iphigenia.** Delicate pink white center.
1067a **Splendens.** Purple crimson.
1068a **Deep Lavender.**
Each of the above, pkt., 10c.
1069 **Mixed, all colors.** Pkt., 10c.
1070 **Moschata Mixed.** Sweet Sultan, white, red and blue. Pkt., 5c.
1071 **Suaveolens.** Yellow Sweet Sultan. Pkt., 5c.
1072 **Vaughan's Special Mixture of Centaureas** is composed of all the annual Centaureas, and a packet will produce the loveliest cut flowers all summer. ½ oz., 40c; pkt., 10c.

CENTAUREA—Dusty Miller

1073 **Candidissima.** 10 in. Thick silvery white leaves, used for bedding purposes. Pkt., 10c.
1074 **Gymnocarpa.** 1½ to 2 ft. Foliage finely cut of silvery gray color, used for bedding. Pkt., 10c.

CENTROSEMA

A hardy vine of rare and exquisite beauty, which blooms early in June from seeds sown in April, and bears in the greatest profusion inverted, pea-shaped flowers, and ranging in color from rosy violet to reddish purple, with a broad feathered white marking through the centre, while the large buds and the back of the flowers are pure white, making it appear as if one plant bore many different colored flowers at one time. The flowers are produced in the greatest abundance, sometimes six to eight in a cluster. The stem and foliage are very graceful and of a delightful odor. It is well adapted for every garden purpose, and especially as a climber, running from six to eight feet in a season.

1075 **Grandiflora Butterfly Pea.** □ = ÷ 10 ft. Pkt., 15c

CHINESE LANTERN PLANT—See Physalis Francheti

CHRYSANTHEMUM, ANNUAL VAR. □

Showy and effective family of plants of varied character extensively grown for cut flowers.

Single Flowering Varieties

1088 **Morning Star.** Primrose with golden yellow center. Pkt., 5c.
1089 **Evening Star.** Large golden yellow flower. Pkt., 5c.
1090 **Carinatum, Eclipse.** Yellow with dark brown disk. Pkt., 5c.

CHRYSANTHEMUM—Continued.

1091 **Burridgeanum.** Banded with crimson, white and yellow. Pkt., 5c.
1092 **Golden Feather.** Foliage striking yellow; flower with a crimson ring near center. Pkt., 5c.
1094 **The Sultan.** Crimson maroon. Pkt., 10c.
1095 **Northern Star.** Flowers pure white with a zone of clear bright yellow overlaid with silver. Pkt., 10c.
1095a **Mixed, Single Annual Varieties.** Pkt. 10c.

Double Flowering Varieties

The coronarium varieties are dwarf selected strains of compact habit and with fine double flowers. They are most valuable border and bedding plants, and provide large quantities of cut bloom during the summer.

1096 **Coronarium, Double White.** Pkt., 5c.
1097 **Coronarium Double Golden Yellow.** Pkt., 5c.
1098 **Coronarium Double Sulphur Yellow.** Pkt., 5c.
1098a **Coronarium, Pumila, Luteum Golden Ball.** 15 in. Forming compact plants smothered in bright yellow flowers, a fine bedder. Pkt., 10c.
1098b **Trico'or, Atro-coccineum, pl.** Double red. Pkt., 10c.
1099 **Double Mixed.** Pkt., 5c.

The Dunnetti varieties are of upright growth, producing flowers two inches across.

1100 **Dunnetti, Double White.** Pkt., 10c.
1101 **Double Yellow.** Pkt., 10c.
1102 **Inodorum Plenissimum, Bridal Robe.** 10 in. Double pure white flowers. Pkt., 10c.

Celosia Childsii

See Description Page 53

1109 **Vaughan's Special Mixture of Double Chrysanthemums.** All the above and others, ½ oz., 25c; pkt., 10c.
1110 **Vaughan's Special Mixture of Annual Chrysanthemums.** Single and double sorts in finest mixture including many new varieties not catalogued above. ½ oz. 25c, pkt. 10c.

The following are valuable for winter-flowering in pots.

1112 **Frutescens** ÷ Paris daisy or Marguerite. Large white star-shaped flowers. Pkt., 10c.
1114 **Chinese and Japanese Varieties Mixed.** If the seed is sown in February or March, and properly treated, the plants will bloom profusely next fall. Pkt., 100 seeds, 25c.

FOR HANGING BASKETS AND WINDOW BOXES

Alyssum, Asparagus Sprengeri, Lobelia Sapphire, Maurandia, Nasturtium, Petunia, Verbena.

CINERARIA + 18 in.

As decorative and ornamental plants for winter decoration the Cinerarias take a foremost place, and their handsome flowers may be enjoyed by any one possessing an ordinary greenhouse where frost is excluded.

1120 **Vaughan's Columbian Mixture.** This is a mixture of the finest strains; the flowers are very large, from 7 to 9 inches in circumference, brilliant colors. Pkt. 25c.
1121 **Hybrida, Good Mixed.** Pkt., 10c.
1122 **Radiata Polyantha.** 2 to 3 ft. The small starry flowers are borne in profusion in loose panicles in many pleasing shades of crimson, rose blush, white, azure and violet. Pkt., 25c.
1123 **Maritima, Diamond.** For edging, silvery foliage. Pkt., 10c.

CLARKIA □ 2 ft.

Clarkias are popular summer annuals, all perfectly hardy, and can be grown with the utmost ease in ordinary soil. They flower profusely, and are exceedingly bright and attractive, especially in large masses.

1124 **Apple Blossom.** Double apple blossom pink.
1125 **Brilliant.** Double salmon scarlet.
1126 **Chamois.**
1127 **Flesh.** Double flesh pink.
1128 **Queen Mary.** Lovely rose carmine.
1129 **Salmon Pink.** Double salmon.
1130 **Scarlet Queen.** The flowers are a double orange salmon and develop to a glowing orange scarlet.
1132 **White Prince.** Very double, pure white.
Each of above, pkt., 10c; any 3 pkts. for 25c.
1133 **Double and Single Mixed.** Pkt., 5c.
1134 **Vaughan's Special Mixture.** Made up especially from the above named varieties. Be sure and include this in your order. Pkt. 15c.

ANNUAL CLIMBERS

240 **Antigonon Leptopus.** Pkt., 10c.
660 **Balloon Vine.** Pkt., 5c.
663 **Balsam Apple and Pear Mixed.** Pkt., 10c.
748 **Bryonopsis Laciniosa.** Pkt., 10c.
840 **Canary Bird Vine.** Pkt., 10c.
901 **Cardinal Climber.** Pkt., 15c.
1137 **Cobaea Scandens.** Pkt., 5c.
1146 **Coccinea Indica.** Pkt., 10c.
1166 **Convolvulus Major, Mixed.** Pkt., 5c.
1230 **Cypress Vine, Mixed.** Pkt., 5c.
1387 **Dolichos Mixed.** Pkt., 5c.
1510 **Gourds Mixed.** Pkt., 5c.
1580 **Humulus Japonicus.** Pkt., 5c.
Ipomoea, all varieties.
1752 **Maurandya Mixed.** Pkt., 10c.
1754 **Melothria Punctata.** Pkt., 10c.
1778 **Mina Lobata.** Pkt., 10c.
2380 **Tall Nasturtium, Vaughan's Special Mixed.** Pkt., 10c.
3512 **Thunbergia Mixed.** Pkt., 10c.
3760 **Wild Cucumber.** Pkt., 5c.

Centaurea Cyanus—Bachelor's Button

See Description Page 53

CLEOME

1135 **Pungens (Spider Wort)** □ 5 ft. A showy garden annual producing curious heads of flowers of bright rose color; of easy cultivation, blooming until late; a good bee plant. Pkt., 10c.

CLIANTHUS

1136 **Dampieri (Glory Pea of Australia),** + 2 ft. Clusters of bright red flowers with black spot Pkt., 15 seeds, 25c.

COBAEA

1137 **Scandens Cathedral Bells** □ = 30 ft. One of the handsomest and rapid growing climbers. The flowers are bell-shaped and open a clear green but turn a beautiful purplish lilac. Seed should be sown edgewise. Very vigorous and prolific bloomer. Pkt., 5c.
1138 **Flore Albo.** White. Pkt., 10c.
1139 **Mixed.** White and blue. Pkt., 10c.

COCCINEA

1146 **Indica** □ = A remarkably pretty annual climber; luxuriant Ivy-like foliage; small flowers followed by numerous fruits 2 inches long, which turn to brilliant scarlet, spotted with white. Pkt., 10c.

COIX

1148 **Lachrymae (Job's Tears)** □ 2 to 4 ft. An ornamental grass with curious seeds which may be used as beads. 1 lb., 60c; ¼ lb., 20c; 1 oz., 5c.

COLEUS

1150 **Vaughan's Mammoth Rainbow Mixture** ÷ 2 ft. The handsomest foliage plant obtained from seed. The leaves often measure 10 inches in length and 8 inches in width, heart-shaped and handsomely crimped, toothed and frilled; their color combinations are remarkably rich. Pkt., 25c.
1153 **Fine Mixed.** Pkt., 10c.

See Novelties.

COLLINSIA

1154 **Mixed** □ 18 in. All species are brightly colored and excellent for growing in clumps. Blooms early and prefers a dry situation. Pkt., 10c.

COMMELINA

1156 **Sellowiana** ÷ 1 ft. Plants are of graceful trailing habit, superb for carpet bedding or for hanging baskets. In pots it blooms every day in the year. In the garden from May until frost, showing daily scores of large winged butterfly-like blossoms of dainty blue color. Pkt., 10c.

COSMIDIUM

1174 **Orange Crown** □ 2 ft. The flowers are golden-yellow with a broad circle of a rich orange around the disk, a pleasing combination. Plants produce a succession of bloom all summer. Pkt., 10c.

Centaurea Imperialis

For Description See Page 54.

CONVOLVULUS (Morning Glory) □ =

Major—Tall Varieties

The Morning Glory is too well known to need a description, and one seldom finds a more satisfactory vine. The amateur gardener can be sure of a fresh supply of bright colored, delicately tinted flowers.

1160 **White**
1161 **Rose**
1162 **Crimson**
1163 **Striped**
1164 **Dark Blue**
1165 **Lilac**

Each of the above, pkt., 5c. Any 6 pkts. for 20c.

1166 **Mixed, all colors.** 1 lb., 80c; ¼ lb., 25c; 1 oz., 10c; pkt., 5c.
1168 **Double Mixed.** The flowers are double and semi-double and some are fringed. Pkt., 10c.
1169 **Double Snow Fairy.** The main charm lies in the purity and the quaintness of its blossoms which are pure white and curiously formed, really a flower within a flower. Pkt., 10c.

Minor—Dwarf or Bush Varieties. 1 ft.

Are very showy and beautiful hardy annual for flower beds and borders, also rockwork; they bloom for a long period and delight in sun.

1171 **Blue.** Pkt., 5c.
1172 **Rose Queen.** Pkt., 5c.
1173 **Mixed, all colors.** 1 oz., 15c; pkt., 5c.

Chrysanthemum—Single Annual

For Description See Page 54.

COSMOS □ 4 to 6 ft.

This beautiful annual is one of the most showy and useful of our garden plants. Plants are very bushy and compact. Flowers borne on long delicate stems and are similar to single Dahlias. Foliage very finely cut.

Early Flowering Mammoth

These are the only kind we would recommend planting north of the latitude of Middle Illinois, as the late, or Giant flowered varieties are nearly always caught by early frost. We have dropped the ordinary Early Flowering varieties which produce small flowers and now offer only these Mammoth Early Flowering sorts.

1180 **White.** Pkt., 10c.
1181 **Pink.** Pkt., 10c.
1182 **Crimson.** Pkt., 10c.
1185 **Early Flowering Mammoth Mixed, all colors.** ¼ oz., 20c; pkt., 10c.

Late or Giant Flowered

For sowing south of the latitude of Middle Illinois.

1187 **Crimson Ray.** The petals are narrow and fluted, and separated in star-like form and of the most brilliant crimson color overlaid with a velvet sheen. Pkt., 10c.
1188 **Crimson.** Pkt., 5c.
1189 **White Lady Lenox.** Pkt., 10c.
1190 **Pink Lady Lenox.** Pkt., 10c.
1195 **Giant Mixed.** ½ oz., 15c; pkt., 5c.
1196 **Klondyke.** A gorgeous orange-yellow flower with very handsome foliage more coarsely laciniated than others. Pkt., 10c.

For New Double Sorts see the Novelty pages

Cobaea Scandens

CUPHEA

1202 **Platycentra (Cigar Plant)** ÷ 10 in. Small scarlet and black tubular flowers; dark green foliage. Pkt., 20c.
1203 **Purpurea Mixed.** Pkt., 10c.

CYPERUS

1227 **Alternifolius (Umbrella Plant)** + 1½ ft. Grows finely in water with rich soil or mud, throwing up long spikes with narrow green leaves, umbrella shape. Pkt., 10c.

CYPRESS VINE □ = 10 ft.

For training upon a light ornamental trellis the Cypress Vine cannot be excelled. It has a profusion of scarlet or white star-shaped blossoms, and its finely cut foliage is particularly adapted to ornamental work.

1228 **White.** Pkt., 5c.
1229 **Scarlet.** Pkt., 5c.
1230 **Mixed.** ½ oz., 20c; pkt., 5c.
1231 **Ivy-Leaved Scarlet.** A rapid growing variety with deeply lobed, ivy-like leaves, and small scarlet flowers. Pkt., 10c.

CYCLAMEN (Alpine Violet) + 1 ft.

Charming house plants, with beautiful foliage and rich colored, fragrant flowers; universal favorites for winter and spring blooming. May be successfully raised from seed with a little care and patience.

1205 **Giant Flowered Cyclamen. Mixed, extra choice.** 10 seeds, 20c; 20 seeds, 30c; 100 seeds, $1.20.

DAISY COLLECTION

These simple flowers appeal to many. With the exception of the Bellis or English Daisy all have a single row of petals around a center of a contrasting shade. Nearly all have long stems and are excellent for cutting.

Annuals

355 **Arctotis Grandis (African Daisy).** Pkt., 10c.
725 **Bellis Perennis Fl. Pl. (English Daisy).** Mammoth mixed. Pkt., 15c.
740 **Brachycome (Swan River Daisy).** 8 in. Mixed, blue and white. Pkt., 5c.
1113 **Chrysanthemum Maximum (Ox-eyed Daisy).** Pkt., 10c.
1112 **Frutescens (Paris Daisy).** Pkt., 10c.
1383 **Dimorphotheca Aurantiaca (Orange Daisy).** Pkt., 10c.

Perennials

5010 **Agathea Coelestis (Blue Daisy).** Pkt. 10c.
5023 **Anthemis Kelwayi.** Pkt., 10c.
5157 **Shasta Daisy Alaska.** Pkt., 10c.
5413 **Pyrethrum Roseum Hybridum Grandiflorum (Painted Daisy).** Single, mixed. Pkt., 15c.

Special Daisy Collection—One packet each of the 10 Daisies described above for 75c.

Morning Glory

See Page 55 for Description

DAHLIA ☐ 4 ft.

But few people know Dahlias can be raised from seed and will bloom the first year. The seeds germinate easily and from the very first are strong and sturdy little plants. Plant them in a shallow box or pan early in March or April, transplant them carefully as their growth demands, and keep the soil moderately moist. When all danger from frost is over, plant them in the bed or border in the garden, and from then on they will prove no more trouble than if the tubers had been used instead of seed.

Single Flowering

1232 **Collarette, Mixed Colors.** Flowers of various colors, adorned with a collar of small petals around the center. Pkt., 10c.

1233 **Colossal.** The flowers are composed of three or more whorls of wide overlapping petals. Stems are long and rigid, bearing flowers well above the foliage; the colors are rich and varied. Pkt., 10c.

1235 **Giant Perfection Mixed.** The plants are of strong, robust habit, and produce in great abundance flowers of immense size, of the most bewildering variety of color. Pkt., 10c.

Double Flowering

1237 **Double Good Mixed.** Pkt., 10c.

1238 **Double Cactus Flowered Mixed.** With twisted and curled petals. Pkt., 15c.

1239 **Double Best Mixed.** Saved from show and fancy sorts. Pkt., 25c.

1240 **Vaughan's Special Mixture.** This mixture contains seeds from the best collections in America and Europe and embraces all the various strains of double-flowering Dahlias, such as Show, Pompon, Liliput and Cactus varieties, also the single flowering and striped sorts. Pkt., 60 seeds, 25c.

DATURA (Angel's Trumpet) ☐ 3 ft.

Handsome plants for subtropical bedding in summer, having large trumpet-shaped fragrant flowers. They should be given a light soil and a sunny-sheltered position. Make grand pot plants for the greenhouse.

1242 **Cornucopia (Horn of Plenty).** Immense flowers, triplicate in form, like three cones, one within the other, color rich violet, with white interior. Pkt., 10c.

1243 **Golden Queen.** Very large double bright yellow flowers, a fine pot plant. Pkt., 10c.

1244 **Double White.** Pkt., 5c.

1245 **Double Fine Mixed.** Pkt., 5c.

DIMORPHOTHECA

1383 **Aurantiaca. (Golden Star of the Veldt.)** ☐ 1 ft. Rare and very showy annual from South Africa, having daisy-like flowers of a glossy salmon-orange shade with black central ring. Pkt., 10c.

1384 **Aurantiaca Hybrida.** They vary in color from the purest white to red and blush, white tints, sulphur, lemon, and bright golden yellow light orange, reddish-yellow changing to pale salmon rose. Pkt., 15c.

DELPHINIUM (Annual Larkspur) ☐

These handsome Larkspurs are very effective in borders and planted amongst shrubs. The graceful spikes of bloom are much valued for vases. They continue long in bloom. The Emperor, Hyacinth-flowered and Branching varieties bloom a little later than the Stock-flowered. Sow seed in the open border either in early spring or late fall so germination may take place very early in the spring.

Stock-Flowered

1261 **Dark Blue.**
1262 **Exquisite Pink.**
1263 **Flesh Pink.**
1264 **Lilac.**
1265 **Lustrous Carmine (Newport Pink).**
1266 **Sky Blue.**
1267 **White.**

Each of the above, pkt., 10c; any 3 pkts. for 25c.

1268 **Mixed, all colors.** 1 oz., 60c; ¼ oz., 20c; pkt., 5c.

1269 **Giant Hyacinth-Flowered Mixed** 3 ft. Derives its name from the striking resemblance of the flowers to a double Hyacinth. Delicate colors. Pkt., 5c.

1275 **Dwarf Rocket Mixed.** 1 ft. Pkt., 5c.

1281 **Emperor Mixed.** Produces an abundance of long, slender spikes in the most delicate colors. Pkt., 5c.

1285 **Vaughan's Special Mixture, Annual Larkspurs.** A charming mixture containing all the bright and delicate shades, makes wonderful cut flower material and should be planted generously. 1 oz., $1.00; ¼ oz., 30c; pkt., 10c.

See Pages 45, 46 and 47 for new varieties.

Cosmos

For Description see Page 55

DIANTHUS (Garden Pinks) ☐ 1 ft.

A popular annual variety known to nearly all. The flowers are distinguished for their brilliant, contrasting variety of colors appearing in each flower. The stripes and spots make the clusters stand out distinctly.

Single Flowering

1286 **Crimson Belle.** Large handsome flowers, crimson. Pkt., 5c.

1287 **Eastern Queen.** Large and beautiful flowers, marbled rose and white. Pkt., 5c.

1288 **Salmon Queen.** Salmon scarlet. Pkt., 10c.

1288a **Magpie.** Large flowers of the deepest dark red, almost as black as Pansy Dr. Faust, edged with clear silvery white. Pkt., 20c.

1289 **Mephisto.** Salmon margined dark brown. Pkt., 10c.

1290 **Mirabilis. (Single Wonder Pink.)** The petals are deeply cut into fine strips of threadlike fringes. All shades from pure white to deep purplish. Pkt., 10c.

1291 **The Bride.** White with purple center. Pkt., 10c.

1291a **Nobilis (Royal Pink or Superbissimus).** Dark glaucous foliage, robust plants, fine mixed colors. Pkt., 10c.

1292 **Vesuvius.** Bright geranium red. Pkt., 10c.

1292a **Violaceus.** Single violet. Pkt., 10c.

1293 **Chinese Single Mixed.** Pkt., 5c.

1294 **Japan Single Mixed.** Great range of colors. Pkt., 5c.

DIANTHUS, Single Flowering—Continued.

1295 **Laciniatus Mixed.** Single fringed flowers. Pkt., 5c.

1296 **Laciniatus Splendens.** The flowers are beautifully fringed and come in various shades of red with large white centers and white edges around the petals. Pkt., 20c.

1326 **Vaughan's Special Mixture, Single Pinks.** The flowers are extraordinarily large, of handsome form, and embrace the most beautiful colors, ranging from white to the most delicate pink and deep crimson. ¼ oz., 30c; pkt., 10c

Double Flowering

1327 **Chinensis Double Mixed.** Blooms in clusters, flowers very double and in a large range of colors. ¼ oz., 10c; pkt., 5c.

1328 **Double Salmon.** A beautiful shade. Pkt., 10c.

1329 **Diadematus Double Mixed.** Beautiful flowers in various shades with the outer edges fringed and almost white. Pkt., 5c.

1330 **Count Kerchove.** Blood red, black spots. Pkt., 15c.

1338 **Imperialis, Double Mixed.** Bushy grower. Pkt., 5c.

1339 **Laciniatus, Double Mixed.** Flowers deeply laciniated. Pkt., 10c.

1340 **Lucifer.** Double orange. Pkt., 10c.

1341 **Violaceus Plenus Double Violet Queen.** Flowers brilliant purple, blue violet colored. Pkt., 25c.

1342 **Mourning Cloak.** Flowers very dark velvety crimson, each petal being strikingly edged white. Pkt. 10c.

1343 **Fireball.** Scarlet, compact, floriferous. Pkt., 10c.

1344 **Snowball.** Compact, fringed white flowers. Pkt., 10c.

1345 **Midnight.** Double blood-red. Pkt., 10c.

1346 **Vaughan's Special Mixture of Double Pinks.** Selection of the best double pinks in cultivation. Flowers ranging in color through all the brightest and most brilliant shades. ¼ oz., 30c; pkt., 10c.

1350 **Vaughan's Special Mixture of Double and Single Pinks.** This magnificent mixture contains the cream of the Dianthus family and unexpected results may be obtained by planting a package. ¼ oz., 30c; pkt., 10c.

DIGITALIS (Foxglove) see Perennial Pages.

DOLICHOS (Hyacinth Bean) ☐ = 10 ft.

A rapid-growing annual climber, flowers freely in erect racemes, followed by ornamental seed pods.

1385 **Princess Helen (Daylight).** Snow white flowers followed by silvery white seeds pods. Pkt., 5c.

1386 **Purple Soudan (Darkness).** Attractive rose-violet flowers with dark ruby-purple seed pods. Pkt., 5c.

1387 **Mixed, all colors.** 1 oz., 20c; pkt., 5c.

1392 **Lignosus (Australian Pea Vine).** A rapid-growing evergreen climber, flowering freely in clusters of rose pea-shaped flowers. Pkt., 10c.

DRACAENA

1396 **Indivisa** ☐ + 2 ft. Ornamental leaved plants; long narrow, green leaved foliage. Pkt., 10c.

Dahlia

ERYTHRINA

1414 **Crista Galli (The Coral Tree.)** ÷ 4 ft. A grand plant for south walls with protection, and for subtropical gardening. Produces in summer handsome racemes of rich deep scarlet flowers. Pkt., 15c.

ESCHOLTZIA (California Poppy) □ 1 ft.

The State flower of California. A bright free-flowering plant of low spreading growth with finely cut silvery foliage. The poppy-like flowers in pure shades of yellow, orange and crimson are produced from early spring until frost. Sow the seed where the plants are to remain.

1415 **Alba.** Paper white. Pkt., 5c.

1416 **California.** Large pale yellow. Pkt., 5c.

1413 **Carmine King.** Beautiful carmine rose color, both on the interior and exterior of the flower. Pkt., 10c.

1420 **Canaliculata Rosea.** Beautiful rosy pink flowers. Pkt., 10c.

1421 **Dainty Queen.** Color tender blush or pale coral pink, deeper towards the edges with a ground of delicate cream. Pkt., 10c.

1422 **Golden West.** Flowers bright yellow and orange, penciled and blotched. Pkt., 5c.

1424 **Mandarin.** Inner side of the petals rich orange, the outer side brilliant scarlet. Pkt., 5c.

1425 **Maritima.** Canary yellow with orange center. Pkt., 5c.

1426 **Mikado.** Flowers lustrous orange-crimson, very brilliant. Pkt., 10c.

1427 **Rose Cardinal.** Flowers pretty dark rose, inside blush. Pkt., 10c.

1427a **The Geisha.** Orange red outside, rich golden within. Pkt., 10c.

1428 **Mixed, all colors.** Many shades. ¼ lb., 50c; 1 oz., 20c; pkt., 5c.

1429 **Double and Semi-Double Mixed.** Pkt., 10c.

1430 **Vaughan's Special Mixture.** This mixture includes all the varieties here catalogued of the double and single sorts and is the most complete mixture of these charming annuals in existence. Oz., 75c; ½ oz., 40c; pkt., 10c.

EUCALYPTUS

1432 **Globulus (Blue Gum)** ÷ Admirable for sub-tropical bedding or greenhouse decoration. Pkt., 10c.

EUPHORBIA □ 2 ft.

Strong growing annuals, for beds of tall growing plants or mixed borders; the flowers are inconspicuous; the foliage, however, is exceedingly ornamental.

1436 **Heterophylla (Mexican Fire Plant).** Annual poinsettia resembling in habit and color the beautiful hothouse poinsettia. About mid-summer the center top leaves of each branch turn a vivid orange scarlet. Pkt., 10c.

1437 **Variegata (Snow on the Mountain or Mountain Spurge).** 2 ft. Remarkably distinct plant; very showy with its foliage edged white and green. Pkt., 10c.

Delphinium

For Description See Page 56

EVERLASTINGS

Everlastings have become popular again; winter bouquets of your own growing make an attractive present for a friend, besides supplying during the long cold winter when flowers are scarce, a bit of brightness for your own home. The drying is a simple operation. Cut before fully expanded, bunch like sweet peas and hang on a line in a warm, dark, dry room. They will dry thoroughly in ten days.

Annuals

92 **Acroclinium Roseum.** 2 ft. Pkt., 5c.

194 **Ammobium Alatum Grandiflorum.** 2½ ft. Pkt., 10c.

1486 **Gomphrena (Globe Amaranth).** Mixed, all colors. Pkt., 5c.

1553 **Helichrysum (Strawflower).** 2 to 3 ft. Vaughan's Special Mixture. Pkt., 15c.

2925 **Rhodanthe.** 1 ft. Mixed colors. Pkt., 10c.

3045 **Statice Russian (Suworowi).** 1 ft. Pkt., 15c.

3046 **Bonduelli.** Pkt., 10c.

3047 **Sinuata Blue.** Pkt., 10c.

3048 **Sinuata Rosea.** Pkt., 10c.

3049 **Sinuata White.** Pkt., 10c.

3765 **Xeranthemum Double Mixed.** 2 ft. Pkt., 10c.

Dolichos (Hyacinth Bean)

For Description See Page 56

Perennials

5227 **Echinops Ritro (Globe Thistle).** Pkt., 10c.

5223 **Erynguim Amethystinum (Sea Holly).** Pkt., 10c.

5224 **Planum.** Pkt., 10c.

5261 **Gypsophila Paniculata Fl. Pl. (Baby's Breath).** Pkt., 25c.

All the Ornamental Grasses

5331 **Lunaria Biennis, Honesty or Peter's Pence.** Pkt., 10c.

5385 **Physalis Franchetti (Chinese Lantern Plant).** Pkt., 10c.

5444 **Statice Latifolia (Sea Lavender).** Pkt., 10c.

1438 **Everlasting Mixed.** 1 to 2 ft. Pkt., 10c.

EXECUM

1439 **Affine.** Greenhouse plant 1 to 2 ft. high with numerous bluish lilac flowers with yellow stamens of a very delicate fragrance. When sown in March or April, blooms from August or September until late in season. Excellent for basket use and may be used like a primula or a begonia. Pkt., 50c.

FREESIAS

These are well known for their delightful fragrance. Seeds should be sown in flats and transplanted after the bulb has formed. Will bloom the first year from seed

1441 **Refracta Alba.** White. Pkt., 5c.

1442 **Rainbow Hybrids.** Very attractive because of their unique colorings and shadings. Pkt., 15c.

Dianthus—Special Double and Single Mixed

For Description See Page 56

FORGET-ME-NOT—See Myosotis.

FOUR O'CLOCK—See Mirabilis.

FUCHSIA HYBRIDA (Ladies' Eardrop)

1446 **Double and Single Mixed** ÷ 1 to 4 ft. Well known greenhouse plant, blooms from seed first year if planted early. Pkt., 20c.

GAILLARDIA (Blanket Flower) □ 1½ ft.

They will produce from early spring until late fall a continuous profusion of brilliantly colored flowers, red and yellow predominating. Of easy culture, sow where they are to remain.

1447 **Amblyodon.** Deep red. Pkt., 10c.

1448 **Picta Single Mixed.** Pkt., 5c.

1450 **Lorenziana Double Perfection Mixed.** Large handsome heads of double quilled flowers in rich shades of red and yellow. Pkt., 5c.

GAURA

1451 **Lindheimeri** □ 3 ft. A graceful plant bearing numerous spikes of rosy white flowers from July until frost. Pkt., 10c.

GERANIUM ÷ 1 to 2 ft.

These grow readily from seed the first year and produce blooming plants the first summer. There is a great deal of pleasure in watching them develop from seed, and there is always the chance of thus securing something new.

1452 **Zonale Varieties.** Saved from a choice collection. Pkt., 10c.

1453 **Large Flowering, Newest Varieties Mixed.** Pkt., 50 seeds, 15c.

1454 **Apple-scented.** Leaves fragrant. Pkt., 25 seeds, 15c.

1455 **Lady Washington (Odier).** Large flowerings, beautifully blotched. Pkt., 15 seeds, 25c.

GILIA

1470 **Mixed** □ 1 ft. Exceedingly graceful early flowers and valuable for bees. Charming in the flower border and for cutting in spring and summer. Pkt., 5c.

1471 **Capitata.** 2 ft. Erect habit, plants one foot in diameter; flowers lavender blue. The blossom is like a small scabiosa and is a good cut flower. Pkt., 10c.

GLADIOLUS

1461 **Many Varieties Mixed.** Can be grown to produce flowers first year if sown early and will make splendid bulbs for second year blooming. Pkt., 10c.

1462 **Primulinus Hybrids.** Flowers of distinct form and possess the clearest tones and tints of color to be found. The spikes are tall and graceful. 100 seeds, 25c.

Escholtzia

For Description see page 57

GERBERA

1469 **Jamesoni Hybrids.** □ The flowers bear long graceful petals with small eye. This strain comprises a great variety of pleasing shades. Pkt., 25 seeds, 25c.

GLOXINIA

1472 **Vaughan's International Mixture** ÷ 12 in. Magnificent house blooming plants, with handsome bell-shaped flowers in the diversity of the richest colors. Pkt., 25c.

1473 **Fine Mixture.** Pkt., 15c.

GODETIA □ 1½ ft.

An attractive hardy annual, deserving more extensive cultivation. The plants bloom profusely and bear showy flowers of satiny texture in many rich and varied colors. They do best in a rather poor soil.

1474 **Duchess of Albany.** Pure white.
1475 **Gloriosa.** Deep blood-red.
1476 **Rosamunde.** Fiery rose.
1477 **Lady Satin Rose.** Bright carmine.
1478 **The Bride.** White and red.
1479 **Many Sorts and Colors Mixed.** Pkt., 5c.
1480 **Double Rose.**
1481 **Double Mixed.**

Each of the above, except when noted, pkt., 10c.

1482 **Dwarf Sorts Mixed.** Neat globular, about 10 in. in height. Pkt., 10c.

GOMPHRENA (Globe Amaranth)

A showy annual everlasting with clover-like heads.

1456 **Globosa Alba.** White. 1457 **Rubra.** Red.
1458 **Pink.** Each of the above, pkt., 10c.
1459 **Orange.** Blossoms resemble a ripe strawberry in color and markings. Start in sandy soil in gentle bottom heat. Pkt., 15c.
1460 **Mixed, all colors.** Pkt., 5c.

GRASSES

1515 **Ornamental Mixed** □ 2 to 5 ft. These are most useful for winter bouquets when combined with Everlasting flowers. They are easily grown in any soil. Pkt., 10c.

Ornamental Collection

136 **Agrostis Nebulosa.** Pkt., 10c.
744 **Briza Maxima.** Pkt., 10c.
1148 **Coix Lachrymae.** Oz., 5c.
1227 **Cyperus Alternifolius.** Pkt., 10c.
2595 **Pennisetum Longistylum.** Pkt., 10c.
2596 **Pennisetum Rueppelianum.** Pkt., 10c.
3770 **Zea Japonica Quadricolor Perfecta.** Pkt., 5c.

HEDGES FROM SEED

Marvel of Peru (Four O'Clock), Salvia (Flowering Sage), Kochia (Summer Cypress or Burning Bush).

GOURDS □ = 20 ft.

These are desirable in many places where an immense amount of vine is wanted quickly. The blooms of some are quite striking and handsome. With many sorts the fruit is unique and ornamental and often useful. The small fancy gourds are excellent toys for children, while the larger gourds may be used as dippers, sugar troughs and bowls.

1487 **Apple-shaped.** Beautifully striped. Pkt., 5c.
1488 **Bottle.** The original Thermos bottle. Used by the pilgrims in the orient. Pkt., 5c.
1489 **Calabash or Pipe Gourd.** Odd-shaped fruit which is used to an advantage in making pipes. Pkt., 10c.
1490 **Dipper.** Fruit makes an excellent dipper and may be used for wren's nests. Pkt., 10c.
1491 **Dishcloth or Towel.** Many women prefer a dishcloth made of this Gourd to anything else, as it is always sweet and clean as long as any part of it is left. Pkt., 5c.
1492 **Hercules Club.** Fruit grows 3 to 4 ft. long. Pkt., 5c.
1493 **Gooseberry.** Gooseberry-shaped fruit. Pkt., 10c.
1494 **Japanese Nest Egg.** Fruit looks exactly like a hen's egg and may be used as nest eggs. Pkt., 5c.
1496 **Orange.** The well known Mock Orange. Pkt., 5c.
1498 **Ornamental Pomegranate or Queen's Sweet Pocket melon.** Fruit deliciously perfumed and may be carried in the pocket or laid among linens. Pkt., 5c.
1500 **Pear Shaped.** Striped yellow and green. Pkt., 5c.
1502 **Sugar Trough.** Thick shells, very durable. Pkt., 5c.
1504 **Spoon.** Small ball-shaped fruit with slender necks, deep orange. By slicing off a part of the side of the bowl a satisfactory spoon may be made. Pkt., 10c.
1505 **Turk's Turban.** Odd brightly colored fruit. Pkt., 5c.
1506 **Small Fruited Varieties Mixed.** Pkt., 5c.
1510 **Mixed, all varieties.** 1 oz., 30c; ½ oz., 20c; pkt., 5c.

GREVILLEA

1520 **Robusta (Silk Oak)** ÷ 1 to 5 ft. It is easy to manage, grows rapidly from seed, and is pretty in all stages of growth; with its long, drooping, silky foliage it reminds one of a palm or fern. Pkt., 10c.

GYPSOPHILA □ 2 ft.

Graceful plants of light fairy-like growth. Much in demand for cutting and combining with other flowers for bouquets and vases.

1522 **Elegans Grandiflora Alba (Angel's Breath).** This is an improved, large-flowering, pure white, of free, easy growth. Several sowings should be made during the season to keep up a supply. Oz., 30c; ½ oz., 20c; pkt., 5c.
1523 **Elegans Carminea.** Pkt., 5c.
1524 **Elegans Rosea.** Soft pink. Pkt., 5c.
1525 **Muralis.** 6 in. A lovely little rock or edging plant with rose-pink flowers. Pkt., 10c.

Gomphrena

Gypsophila—Elegans Grandiflora Alba

HELIANTHUS (Sunflower) □

These comprise plants of majestic growth and immense showy flowers, suitable for shrubberies, woodlands, wild gardens and subtropical gardening; the dwarfer kinds, with smaller flowers, are charming when grouped in mixed flower borders.

Large Flowered Tall

1526 **Annuus Purpureus, Gaillardia-flowered or Red Sunflower.** 4 to 8 ft. Some flowers of a rich chestnut-red color, others tipped with yellow and others slightly washed with red. The flowers vary in size, and are of good form, usually having a small disc, and often two rows of long, slightly curled rays. Pkt., 10c.
1527 **Argyrophyllus.** 4 ft. Handsome silvery foliage, single bright yellow flowers enhanced by a black disk, perfect pyramidal growth. A specimen plant will attain the shape of a Christmas tree, the flowers having the effect of candles. Pkt., 5c.
1528 **Californicus Fl. Pl.** 5 ft. Double dark yellow. Pkt., 5c.
1529 **Chrysanthemum Flowered Double.** 6 ft. Golden yellow flowers. Pkt., 10c.
1530 **Double Mixed.** Pkt., 5c.
1531 **Globosus Fistulosus Fl. Pl.** 6 ft. Double globe or dahlia sunflower. Flowers a rich saffron color. Pkt., 5c.
1532 **Primrose Queen Double.** 5 to 6 ft. Large numbers of medium-sized pale sulphur yellow flowers are produced on short, straight stems. Pkt., 10c.
1533 **Nanus Flore Pleno.** 2½ ft. Double dwarf, beautiful for massing in beds. Pkt., 5c.
1534 **Russian Mammoth.** Single, of gigantic dimensions. For larger amounts see Farm Seed pages. 1 oz., 5c.

Miniature-Flowered Sunflowers

The Helianthus cucumerifolius form spreading bushes with small graceful foliage and bear a multitude of small elegantly formed flowers, which are borne for a long time in succession, and are invaluable as cut flowers.

1535 **Cucumerifolius.** The first introduction of these charming small sunflowers; flowers rich golden yellow with brown-black center. Pkt., 5c.
1535a **Diadem.** Light lemon. Pkt., 5c.
1536 **Stella.** Large golden yellow petals; small, dark center. Pkt., 5c.
1537 **Orion.** Petals rolled, resembling Single Cactus Dahlia. Pkt., 5c.
1538 **Purpureus.** Flowers shades of red and yellow. Pkt., 5c.
1539 **Double Hybrids.** Double and semi-double flowers. Pkt., 10c.
1540 **Liliput, Baby Sunflower.** 6 to 8 in. The plants are of a somewhat creeping growth, similar to those of Verbenas. Flowers are single, bright yellow, dark disc. Pkt., 10c.
1541 **Vaughan's Special Mixture.** Includes all the above of cucumerifolius varieties. ¼ oz., 20c; pkt., 10c.
1542 **Vaughan's Special Mixture** of all the single and double Sunflowers. ½ oz., 25c; pkt., 10c.

Sunflower (Helianthus Cucumerifolius)
See Page 58 for Description

HELICHRYSUM (Strawflower)

□ 2 to 3 ft.

Helichrysums are an ornament to the garden when growing, and are everywhere prized for the winter decoration of vases, and for durable bouquets. Flowers intended for drying should be gathered when partially unfolded and suspended with their heads downward in a cool place.

1546 **Silver Ball.** White.
1547 **Fire Ball.** Red.
1548 **Golden Ball.** Yellow.
1549 **Rose Queen.** Carmine rose.
1550 **Salmon Queen.** Salmon pink.
1551 **Violet Queen.** Violet.

Each of the above, pkt., 10c; any 3 for 25c.

1552 **Mixed, all colors.** Pkt., 5c.
1553 **Vaughan's Special Mixture.** This mixture of Helichrysum is an improved large-flowered strain containing many new and exquisite shades. ¼ oz., 25c; pkt., 15c.

HELIOTROPE ÷ 2 ft.

Heliotrope is a universal favorite on account of its delightful fragrance and duration of bloom flowering equally well as bedding plants in summer, or as pot plants in the house during the winter. Seed sown in the Spring makes fine plants for bedding out, and are as easily grown as Verbenas.

1555 **Mammoth Mixed.** Flowers of great size and ranging in shade from dark blue to lilac. Pkt., 15c.
1556 **King of the Blacks.** Deep purple, almost black. Pkt., 15c.
1560 **Fine Mixed.** Pkt., 10c.

HOLLYHOCKS (Annual) □ 5 ft.

The perennial varieties flower only the second year if grown from seed, these annual kinds, however, bloom the first year, and if sown in the open ground in May, they will be in flower in August, but if started indoors and set out in May, they will bloom in July. They are continuously covered with large flowers in many beautiful colors.

1571 **Everblooming Single Mixed.** Large single flowers, exhibiting every shade known in Hollyhocks. Pkt., 10c.
1575 **Everblooming Double Mixed.** Double and semi-double. Pkt., 10c.
(For other Hollyhocks see Perennial List.)

HUMULUS JAPONICUS (Japanese Hop)

□ = 20 ft.

Rapid summer climber; the foliage is luxuriant, making a dense covering. It is one of the best plants for covering verandas, trellises, etc. Heat, drought and insects do not trouble it.

1580 **Green Leaved.** Pkt., 10c.
1582 **Variegated Leaved.** The large, handsome leaves are beautifully variegated white, green and yellow. Pkt., 10c.

HUNNEMANNIA

1590 **Fumariaefolia (Bush Escholtzia, or Yellow Tulip Poppy)** □ 1½ ft. The plants grow into a shrubby bush and produce their large cup-shaped flowers 3 in. across on stems 12 in. long. The color is of clear, bright yellow; the petals are broad and crinkled, like crushed satin. The cut blooms keep in water two weeks. Pkt., 10c.

HYACINTH BEAN—See Dolichos.

ICE PLANT

1595 **Mesembryanthemum Crystallinum** □ 6 in. Foliage very ornamental, being covered with ice-like globules, and prized for garnishing; a valuable plant for dry, sunny situations on banks, rockwork, old walls and ruins, etc., also for sunny borders. Pkt., 5c.

IMPATIENS (Zanzibar Balsam)

÷ □ 1½ ft.

One of the prettiest plants for pot culture and also for out-door planting in a half-shaded situation. Remarkable for its long duration of bloom. It is very charming for winter blooming.

1600 **Holstii.** Of rapid and vigorous growth and producing large flowers of a brilliant salmon-scarlet. Pkt., 15c.
1602 **Holstii Hybrids.** They range in color from pink through the red shades to purplish violet. Pkt., 15c.

IONOPSIDIUM

1610 **Acaule (Violet Cress)** □ 3 in. A lovely miniature rapid-growing and early-flowering plant, forming dense tufts of foliage smothered in tiny, pale lilac flowers. Pkt., 10c.

IPOMOEA □ = 20 ft.

Beautiful rapid annual climbers. Foliage very dense and in some kinds of remarkable shape. The flowers in their wide range of delicate coloring are poised on slender stems. Many of the sorts open only when the sun rises, others when the sun sets. Some are fragrant. Seeds should be soaked in warm water for 24 hours before sowing to assist rapid germination. The seeds about the size of a pea should be notched with a file before soaking.

1615 **Bona Nox (Evening Glory).** Violet flowers. Pkt., 5c.
1617 **Coccinea (Star Ipomoea).** Small scarlet flowers in great profusion. Pkt., 5c.

FOR HANGING BASKETS AND WINDOW BOXES

Alyssum, Asparagus Sprengeri, Lobelia Sapphire, Maurandia, Nasturtium, Petunia and Verbena.

Helichrysum (Strawflower)

Moonflower (Ipomoea)

IPOMOEA—Continued.

1619 **Mexicana Grandiflora Alba (White Moon Flower).** Covered with large white flowers every evening and cloudy day. Seeds should be started inside. Pkt., 10c.
1620 **Mexicana Grandiflora, Giant Pink.** Soft lilac pink flowers. Pkt., 10c.
1622 **Imperialis (Japanese Morning Glory), Fine Mixed.** The Japanese Morning Glory requires a warm situation to do well. The south side of a wall or building where the plants are protected from the north and west winds will mostly be found beneficial for these vines. 1 lb., $1.00; ¼ lb., 35c; 2 oz., 25c; 1 oz., 15c; ½ oz., 10c; pkt., 5c.
1625 **Vaughan's Special Mixture, Japanese Morning Glories.** The colors run from snow white through all possible shades of blue and red, from palest pink to darkest reds and purples. Flowers are streaked, mottled and bordered in wonderful fashion. The leaves are also very handsome; ivy-like and heart-shaped, some are rich green, while others are streaked and marbled with white or yellow. ¼ lb., $1.00; 1 oz., 30c; ½ oz., 20c; pkt., 10c.
1627 **Learii.** Satiny blue with crimson bars. A good greenhouse climber. Pkt., 10c.
1630 **Rochester.** Flowers 4 to 5 in. across, deep violet blue in the throat, blending out to an azure blue, bordered with a wide white band around the edges. Pkt., 10c.
1632 **Rubro-Coerulea (Heavenly Blue).** Deep pure sky blue flowers, delicately shading to white toward the center. One of the most gorgeous blue flowers. Pkt., 10c.
1633 **Early Flowering Rubra Coerulea.** Sky blue. Pkt., 15c.
1635 **Setosa (Brazilian Morning Glory).** The thick stems and leaf stalks are covered with reddish brown hairs. The deeply lobed leaves are about nine inches across; flowers about two inches in diameter, of delicate texture, tinted pink with a five-pointed star of satiny pink, and are followed by curious seed pods. Pkt., 10c.

☞For other Morning Glories, see Convolvulus.

ISOLOMA

1636 **(Hirsutum Multiflorum Hybridum)** +. The large leaves, which are of a texture similar to those of the Gloxinia are of a rich dark green; the reverse of them, as well as the flower stalks, are covered with bright red hair. The flowers are produced in abundance and in various colors and color combinations. The plants grow from 12 to 18 inches high, are bushy and require no staking. Seed sown in January or February will bloom in June or July, and will continue to flower until winter without cessation. Their constitution is very robust, which enables them to thrive in living rooms. This is a most desirable pot plant. Pkt., 50c.

Kochia Childsii

JOB'S TEARS—See Coix Lachrymae.
KUDZU VINE—See Pueraria.

KOCHIA

1640 **The New Giant (Summer Cypress, Burning Bush)** □ 2½ ft. This beautiful annual bush has rapidly come into prominence. It grows 2 to 2½ feet high and resembles a close-clipped ornamental evergreen. The globe-shaped or pyramidal bushes are close and compact and of a pleasing light green color. The plant may be grown singly or in the form of a hedge or background. In early Autumn the whole bush becomes carmine or blood-red, whence the name of Mexican Fire Plant, Burning Bush, etc. Flowers small and numerous, but not conspicuous. The beauty of the plant is in its shape and color. ½ oz., 15c; pkt., 10c.

LANTANA

1645 **Hybrida, Mixed** + 2 ft. Shrubby plant with Verbena-like flowers in shades of white, red and yellow. May be grown in pots or set out in summer remains in bloom late in autumn. They have an agreeable aromatic perfume. Pkt., 10c.

1646 **Dwarf Hybrids.** Mixed. Pkt., 15c.

LAVATERA □ 2½ ft.

The Lavateras or Annual Mallows are showy and effective plants covered during the entire summer with bloom. For large borders and cutting they are very desirable.

1654 **Splendens Alba.** Very large, silky, pure white flowers. Pkt., 10c.

1655 **Splendens Rosea.** Very large, bright rose flowers. Pkt., 10c.

LAVENDER LACE FLOWER

1657 **(Didiscus coeruleus)** □ 3 ft. Long stemmed lavender flowers; look like blossoms of Queen's Lace Handkerchief or Wild Carrot. A constant bloomer. The culture is not at all difficult, only the seed is somewhat slow in germinating. To be sown in May in partial shade where it is to remain. Pkt., 10c.

LEPTOSYNE

1658 **Stillmani.** 1½ ft. One of the quickest annuals, blooming within five weeks from date of sowing, and the golden-yellow flowers continue in perfection for a long period. Excellent for cutting. Pkt., 10c.

1659 **Maritima.** 3 ft. Large lemon-yellow Marguerite-like flowers on long stalks. Pkt., 10c.

LINUM

1665 **Grandiflorum Rubrum (Crimson Flax)** □ 2 ft. One of the most brilliantly colored of summer annuals, flowers glowing crimson-rose. Very beautiful in beds and borders, and may be had in bloom from May to October by successive sowings. Pkt., 5c.

LOBELIA ERINUS COMPACTA □

This charming class forms compact little bushes about 6 inches high and are fairly sheeted with bloom throughout the season. Highly desirable for edgings, ribbon bedding and garden decoration as well as for pot culture.

1675 **Bedding Queen.** Dwarfest, best for ribbon bedding. Flowers deep purplish violet, with clear white eye. Pkt. 10c.

LOBELIA—Continued.

1676 **Crystal Palace Compacta.** Deepest blue, dark foliage. Pkt., 10c.

1677 **Emperor William.** Clear sky blue, with green foliage. Pkt., 10c.

1681 **Pumila Rosea.** Dwarf pink. Pkt., 10c.

The following varieties are especially effective in hanging baskets or window boxes, where a long drooping effect is desired.

1683 **Speciosa.** True dark blue, dark foliage. Pkt., 10c.

1684 **Sapphire.** Large, deep blue flowers, with a pure white eye which occupies one-third of the corolla. Pkt., 15c.

1685 **Mixed colors.** ⅛ oz., 15c; pkt., 5c.

LUPINUS □ 2 ft.

Free flowering, easily-grown annuals, with long, graceful spikes of rich and various colored pea-shaped flowers; valuable for mixed borders, beds and for cutting; prefers a little shade.

1699 **Hartwegii, White.** Pure white flowers. Pkt., 10c.

1700 **Oxford Blue.** Dark blue. Pkt., 10c.

1701 **Cambridge Blue.** Light blue. Pkt., 10c.

1702 **Roseus.** Rose-colored flowers. Pkt., 10c.

1703 **Hybridus Roseus.** A charming rose-pink flower. Pkt., 10c.

1704 **Hybridus Atro-coccineus.** Large spikes of scarlet white-tipped flowers. Pkt., 10c.

1705 **Tall Annual Varieties, Mixed.** 1 oz., 30c; pkt., 5c.

1706 **Dwarf Annual Varieties, Mixed.** 1 ft. Pkt., 10c.

(See also Perennials.)

MALOPE (Mallow-Wort) □ 2 ft.

Showy plants for large mixed flower and shrubbery borders. The flowers are large and handsome.

1708 **Alba.** Large white flowers. Pkt., 10c.

1709 **Rosea.** Flowers large, blush, shaded pink toward center. Pkt., 10c.

MARIGOLD (Tagetes) □

In late summer, when many bedding plants are past their prime, Marigolds afford a wealth of color that is simply invaluable. The African varieties produce large self-colored blossoms on tall plants; the French are smaller, but the colors and markings are very interesting, some of the varieties being elegantly striped and spotted. The Single French and the Dwarf Single French Marigolds hold the chief place in the class.

Double Tall African Varieties 5 ft.

1722 **Eldorado.** Extremely large and imbricated double flowers in yellow shades. Pkt., 10c.

1723 **Lemon Queen.** Pkt., 10c.

1724 **Orange Queen.** Pkt., 10c.

1725 **Tall African Mixed.** Large double flowers. Pkt., 5c.

Japanese Morning Glory
See Page 59 for Description

Lavatera

MARIGOLD, Double, Tall African—Continued.

1726 **Tall French Mixed.** Large bushes covered with a multitude of small double flowers. Pkt., 5c.

1727 **Vaughan's Special Mixture Tall Marigolds.** This mixture includes both the African and French sorts. A packet will give you flowers of enormous size in a wonderful assortment of color, in shades of yellow, cream, orange, rusty brown, old gold, etc. ¼ oz., 20c; pkt., 10c.

1728 **Tall French Striped.** Flowers have a yellow ground, with rich brown markings. Pkt., 10c.

Double Dwarf African

1729 **Mixed (Pride of the Garden).** 15 in. Immense golden yellow flowers, compact dwarf habit, forming dense bushes. Pkt., 10c.

Dwarf French Double Sorts 10 in.

1731 **Gold Striped.** Velvety maroon, striped gold. Pkt., 10c.

1732 **Dwarf French Double Mixed.** Low bushes, covered with small flowers. Pkt., 5c

1735 **Vaughan's Special Mixture of Dwarf Marigolds, Double and Single Varieties.** These dwarf, compact strains are very attractive, each plant being covered with hundreds of small, bright flowers. ¼ oz., 20c; pkt., 10c.

Single Dwarf Varieties

1736 **Gilt Edge.** Velvet maroon, edged with yellow. Pkt., 10c.

1737 **Golden Star.** Flowers have golden yellow petals with purple-red streaks radiating from the center. Pkt., 10c.

1746 **Legion of Honor.** Flowers rich golden yellow, marked with velvety brown. Best for edging. Pkt., 10c.

1747 **Silver King.** Light sulphur-yellow, with brown spots. Pkt., 10c.

1748 **Signata Pumila.** A dwarf, compact, bushy plant, with beautiful, delicate, fern-like leaves, densely covered with flowers of bright golden yellow. Pkt., 10c.

MATRICARIA

1749 **Capensis (Feverfew)** □ 3 ft. Neat, small, double white flowers, well adapted for bedding and cutting. They are perennials in mild climate, but in our latitude are treated best as annuals. Pkt., 10c.

1750 **Eximea, Golden Ball.** 1 ft. Of compact habit, suitable for edging, with very striking double yellow flowers. Pkt., 10c.

Rockford, Ills.

Have used the Little Gem Alyssum for ten years, but my bed here last year was the BEST EVER—four neighbors are included in this order. How's that for an ad.?

It is surely the best Alyssum on the market. I just had to tell of my appreciation of same, although I am very sure it goes no further than you, who are filling this order.

MRS. AMY R. COLE.

Lobelia—Bedding Queen
See Page 60 for Description

MARVEL OF PERU—See Mirabilis.

MATTHIOLA

1751 **Bicornis (Evening-scented Stock)** □ 15 in. The flowers in the morning, evening and after a shower emit a delicious perfume perceptible at a considerable distance. ¼ lb., 80c; 1 oz., 30c; pkt., 5c.

MAURANDIA

1752 **Mixed** □ = 10 ft. Slender grower and abundant bloomer. Very desirable for greenhouse and garden. Elegant Gloxinia-like flowers, which range through white, rose, blue and purple in color. Pkt., 10c.

MELOTHRIA

1754 **Punctata** □ = 10 ft. (Musk Vine.) Blooms in clusters; flowers small, white and star shape, with a strong musk fragrance; leaves green, small and glossy. May be cut down to 6 inches after summer's growth, potted and taken inside. Fruit resembles tiny watermelons. Pkt., 10c.

MIGNONETTE (Reseda) □ 6 to 12 in.

No garden is complete without this fragrant plant of unassuming mien. One of the principal uses is for cutting purposes and combining in bouquets with other more pretentious blossoms without its delicate odor.

1755 **Bismarck.** The red flowers are larger in every way than those of other sorts, the spikes are very dense, its foliage is distinct, being crinkly, while its odor is strong and most delicious. Pkt., 10c.

1757 **Golden Queen.** Yellow. Pkt., 5c.

1758 **Goliath.** Foliage rich green, with bright red flowers. Flower stalks tall and strong, spikes often 7 inches long by 2 inches in diameter. Pkt., 10c.

1760 **Grandiflora.** Large flowered. ¼ lb., 50c; 1 oz., 20c; pkt., 5c.

1761 **Giant White Spiral.** Flowers silvery-white. Pkt., 5c.

1762 **Machet.** It is the best Mignonette for all purposes, either outside or inside. It is an ever-bloomer, the flowers lasting until late in the fall. ¼ oz., 25c; pkt., 10c.

1766 **Pyramidal Large-Flowering.** Tall-growing variety. Pkt., 5c.

1767 **White Pearl.** Pkt., 10c.

1770 **Mixed.** Many shades and types. Pkt., 5c.

MIMOSA

1772 **Pudica (Sensitive Plant)** □ 1 ft. Curious and interesting, pinkish-white flowers; the leaves close and droop when touched or shaken. Pkt., 5c.

MIMULUS

1773 **Moschatus (Musk Plant)** □ Musk-scented leaves, tiny yellow flowers. Pkt., 15c.

1774 **Tigrinus (Monkey Flower)** □ 10 in. **Queen's Prize, Single Mixed.** Dwarf bushy plants, with large Gloxinia-like flowers, ranging in color through white, pale yellow, golden, flesh, rose, crimson and maroon; handsomely blotched and striped. Does best in partial shade. Pkt., 10c.

1775 **Tigrinus Fl. Pl. (Double Monkey Flower) Mixed.** Pkt., 10c.

MINA

1778 **Lobata** □ = 12 ft. A climber of luxurious growth, with tube-shaped flowers; produced in greatest profusion. In color they are particularly attractive, the buds being first bright red, but changing through orange-yellow to creamy white when fully expanded. Pkt., 10c

MORNING GLORY

See Convolvulus and Ipomoea.

MOURNING BRIDE—See Scabiosa.

Marigold—Tall African
See Page 60 for Description

MIRABILIS □ 2 ft.

(Marvel of Peru or Four O'Clocks)

This is another good old-fashioned flower of bushy habit, bearing hundreds of flowers during the season, of white, yellow, crimson and violet. Very charming when used as a hedge plant, rivaling the privet, with its glossy foliage very closely set and dotted all over in the afternoon with a multitude of fairy flowers.

1780 **Mixed, all sorts and colors.** ¼ lb., 40c; 1 oz., 15c; pkt., 5c.

1784 **Dwarf Mixed.** 12 in. Pkt., 5c.

1785 **Red.** A hedge of this is a brilliant sight. Oz., 30c; pkt., 10c.

1786 **Sweet-Scented (Longiflora Alba).** White. Pkt., 5c.

Beloit, Wis.

Now that the summer garden is in full bloom and everything in it bought from you, I desire to express to you my pleasure and satisfaction. The flower garden is mostly, though not wholly, the result of two packages of your simple "Wild Flower Garden" mixture. It is a riot of color and variety. I bought a few dozen of your Gladioli at 45 cents per dozen. Every one of them is blooming and they are a constant joy and surprise. They are so beautiful that I can scarcely imagine what your expensive kinds may be. Surely your products need no guarantee, because if given any kind of opportunity, they make a splendid return.

Thanking you and wishing you success, I am

Very truly yours,

ANNIE S. McLENEGAN.

Marigold—Single and Double
See Page 60 for Description

MUSA

1786a **Ensete (Banana Plant)** + 6 ft. A splendid plant for the open air in summer, producing a most striking effect when planted singly or in groups. The seeds must be started in hot-bed or on bottom heat in greenhouse. 10 seeds, 20c.

MUSK PLANT—See Mimulus.

MYOSOTIS (Forget-Me-Not)

½ to 1 ft.

They are considered among the best spring flowers and grouped with Pansies and Daises the most lovely combinations may be obtained. The tall varieties are of trailing habit and adapted to covering large patches, which they transform into a sea of blue. Respond to good treatment and flourishes in shady, moist, situations. The national flower of Belgium.

1787 **Alpestris Blue.** Trailing habit. Pkt., 5c.

1788 **Alba.** White. Pkt., 5c.

1789 **Rosea.** Pink. Pkt., 5c.

1790 **Eliza Fonrobert.** Flowers large, sky blue, with clearly defined white eye. Pkt., 10c.

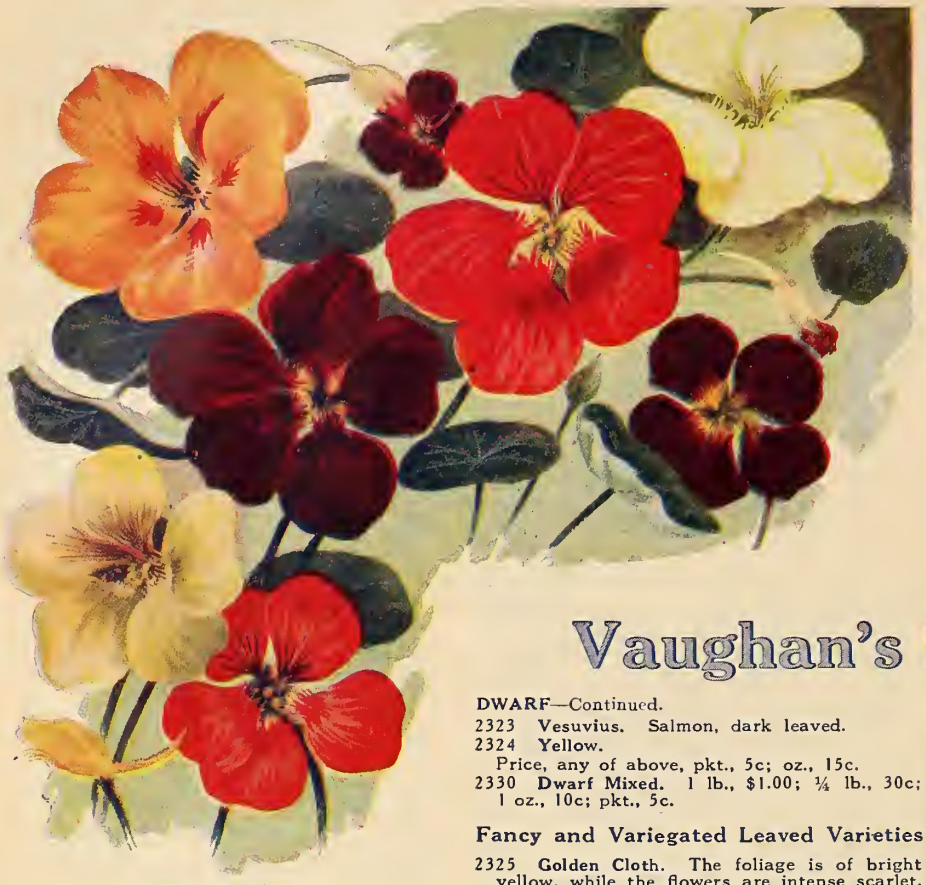
1791 **Victoria.** The flowers are large, bright azure blue, with yellow centers. The plants form neat bushes completely covered with blooms. Best for edging. Pkt., 10c.

1792 **Mixed.** Pkt., 5c.

1794 **Star of Love.** Distinct variety with large beautiful blue flowers. Pkt., 25c.

Handy weeders and cultivating tools make it easy to keep the weeds out of the annual border.

Four O'Clocks



Dwarf Nasturtiums

Vaughan's Nasturtiums

DWARF NASTURTIUMS

They are suitable for a bedding and edging, grow quickly and furnish the greatest abundance of long lasting, sweet-scented cut flowers. Sometimes it is desirable, when carrying out a color scheme to use but one variety of Dwarf Nasturtium for an edging. Empress of India is particularly good when used in this way as the dark leaved plants are of an even height and the flowers are in rich velvety red.

Green and Dark Leaved Varieties

2305 **Aurora.** Chrome yellow blotched crimson.
2306 **Beauty.** Scarlet splashed canary.
2307 **Bronze.** Burnt bronze color, dark leaved.
2308 **Chameleon.** Is unique in bearing flowers of quite distinct coloring on one and the same plant.
2309 **Crystal Palace Gem.** Sulphur spotted maroon.
2310 **David Burpee.** Velvety purple-scarlet flowers, foliage wavy emerald green.
2311 **Empress of India.** Very dark leaves, crimson flowers.
2312 **Golden King.** Pure golden yellow.
2313 **King of Tom Thumbs.** Intense deep scarlet, dark foliage.
2314 **King Theodore.** Velvety red flowers, dark foliage.
2315 **Laciniatum Mixed.** The flowers are deeply laciniated and appear in many attractive colors.
2316 **Lady Bird.** Orange, striped scarlet.
2318 **Pearl.** Creamy white.
2319 **Prince Henry.** Yellow marbled scarlet.
2320 **Regelianum.** Rich crimson.
2321 **Ruby King.** Ruby red, dark leaved.
2322 **Scarlet.** Dark scarlet.

2335 **Vaughan's Special Mixture of Dwarf Nasturtiums.** Dwarf Nasturtiums are most admirably adapted to beds and borders. This mixture is put up by ourselves from named sorts, and contains a large share of the Liliput and the dwarf Chameleon, which have the richest and most varied combination of colors. 1 lb., $1.50; ¼ lb., 45c; 1 oz., 15c; pkt., 10c.

DWARF—Continued.

2323 **Vesuvius.** Salmon, dark leaved.
2324 **Yellow.**
Price, any of above, pkt., 5c; oz., 15c.
2330 **Dwarf Mixed.** 1 lb., $1.00; ¼ lb., 30c; 1 oz., 10c; pkt., 5c.

Fancy and Variegated Leaved Varieties

2325 **Golden Cloth.** The foliage is of bright yellow, while the flowers are intense scarlet.
2326 **Ivy Leaved Mixed.** Deep green leaves of distinctive ivy form. The flowers are beautifully fringed at the edge of the petals and at the throat.
2328 **Spencer, Mixed.** The curly foliage is very unique and the flowers appear in many bright colors.
2329 **Variegated Leaved, Mixed.**
Price, each of above, pkt., 5c; oz., 15c.

TALL NASTURTIUMS

☐ 8 to 10 ft.

Few plants are so useful or rich in color as the Nasturtiums. They surpass the Geranium and Calceolaria in brilliancy of color and profusion of bloom; they should be given a dry poor soil, as on a rich or manured ground they are inclined to run to leaf. Where such is the case, lime rubbish should be mixed with the soil.

LOBB'S NASTURTIUMS 6 ft.

This class is remarkable for the intensely brilliant colors of its flowers, which are a trifle smaller than those of other sorts. In moderately rich soil they climb higher and bloom brilliantly.

2356 **Black Prince.** Velvety black flowers, dark foliage.
2358 **Blushing Beauty.** Ivy leaved. Flowers soft yellow, spotted with terra cotta.
2359 **Cardinal.** Scarlet flowers, dark foliage.
2361 **Firefly.** Foliage rich and dark, flowers rosy salmon underlaid with golden yellow.
2362 **Flamingo.** Magnificent laciniated orange flowers.
2363 **Giant of Battles.** Sulphur with red.
2364 **Golden Queen.** Pure golden orange.
2365 **King of the Blacks.** Black-red.
2366 **Napoleon III.** Golden yellow, spotted brown.
2368 **Princess Victoria Louise.** Flowers cream-white, with orange-scarlet blotches, the calyx and spur a pure orange-red.
2369 **Queen Emma.** Variegated leaves, deep scarlet flowers.
2370 **Queen of the Morning.** Variegated leaves, flowers aurora colored.
2371 **Virchow (Rose Queen).** The best pink.
Price, each of the above, oz., 15c; pkt., 5c.

Lobb's Mixed

2372 The strongest growing, attaining the greatest height. 1 oz., 10c; pkt., 5c.

NEMESIA ☐ 1 ft.

Free blooming dwarf bushes for pot culture and open borders. Sow in spring under glass, and transplant; or sow out of doors in May, in patches, where they are intended to flower.

1800 **Large Flowered Mixed.** 1 ft. Is the finest strain of this most popular flower, both for size and massive build of the individual flowers, also for the richness and variety of colors. Pkt., 10c.
1801 **Blue Gem.** One of the best blue annuals for bedding; 7 inches. Pkt., 10c.
1802 **Scarlet.** Pkt., 15c.
1803 **Orange.** Pkt., 15c.

NEMOPHILA (Baby Eyes) ☐ 6 in.

Hardiest of annuals, and of the easiest culture Makes a very effective front row to a bed or border, and should be sown out of doors in spring, in patches, where they are to flower.

1916 **Insignis Blue.** A popular plant for pots or borders. Pkt., 5c.
1919 **Mixed, all colors.** Cup-shaped flowers in many bright colors, the blue shades being particularly attractive. Pkt., 5c.

TALL NASTURTIUMS

Green and Dark-Leaved Varieties

2338 **Chameleon.** Is unique in bearing flowers of quite distinct coloring on one and the same plant.
2339 **Dunnett's Orange (Sunlight).** Bright orange flowers.
2340 **Edward Otto.** Brownish lilac.
2341 **Fordhook Fashion.** Terra cotta on yellow ground, dark leaved.
2341a **General Jacqueminot.** Rich crimson.
2342 **Heinemanni.** Chocolate color, odd.
2343 **Hemisphericum.** Orange.
2344 **Jupiter.** Large, rich golden yellow.
2345 **King Theodore.** Rich, deep crimson flowers, dark leaves.
2346 **Pearl (Moonlight).** Creamy white.
2347 **Prince Henry.** Light yellow, marbled scarlet.
2348 **Shillingi.** Yellow with maroon blotches.
2349 **Scheuermani.** Straw color, spotted.
2350 **Emperor of India.** Very dark foliage. Rich, deep scarlet flowers.
2351 **Twilight.** Yellow, marbled salmon rose.
2352 **Vesuvius.** Salmon rose, dark leaved.
2353 **Von Moltke.** Ruby red.
Price, each of the above, pkt., 5c; oz., 15c.

Tall Mixed

2373 **All sorts.** 1 lb., $1.00; ¼ lb., 30c; 1 oz., 10c; pkt., 5c.

Fancy and Variegated-Leaved Varieties

2354 **Golden Cloth.** Scarlet flowers with yellow foliage.
2355 **Variegated-Leaved Varieties.**
These are of the trailing and climbing class with exquisitely beautiful foliage and very showy flowers. Leaves light green, beautifully marbled and blotched with pure white. Makes a striking vine with its bright blossoms of many colors
Many colors mixed.
Each of the above pkt., 5c.

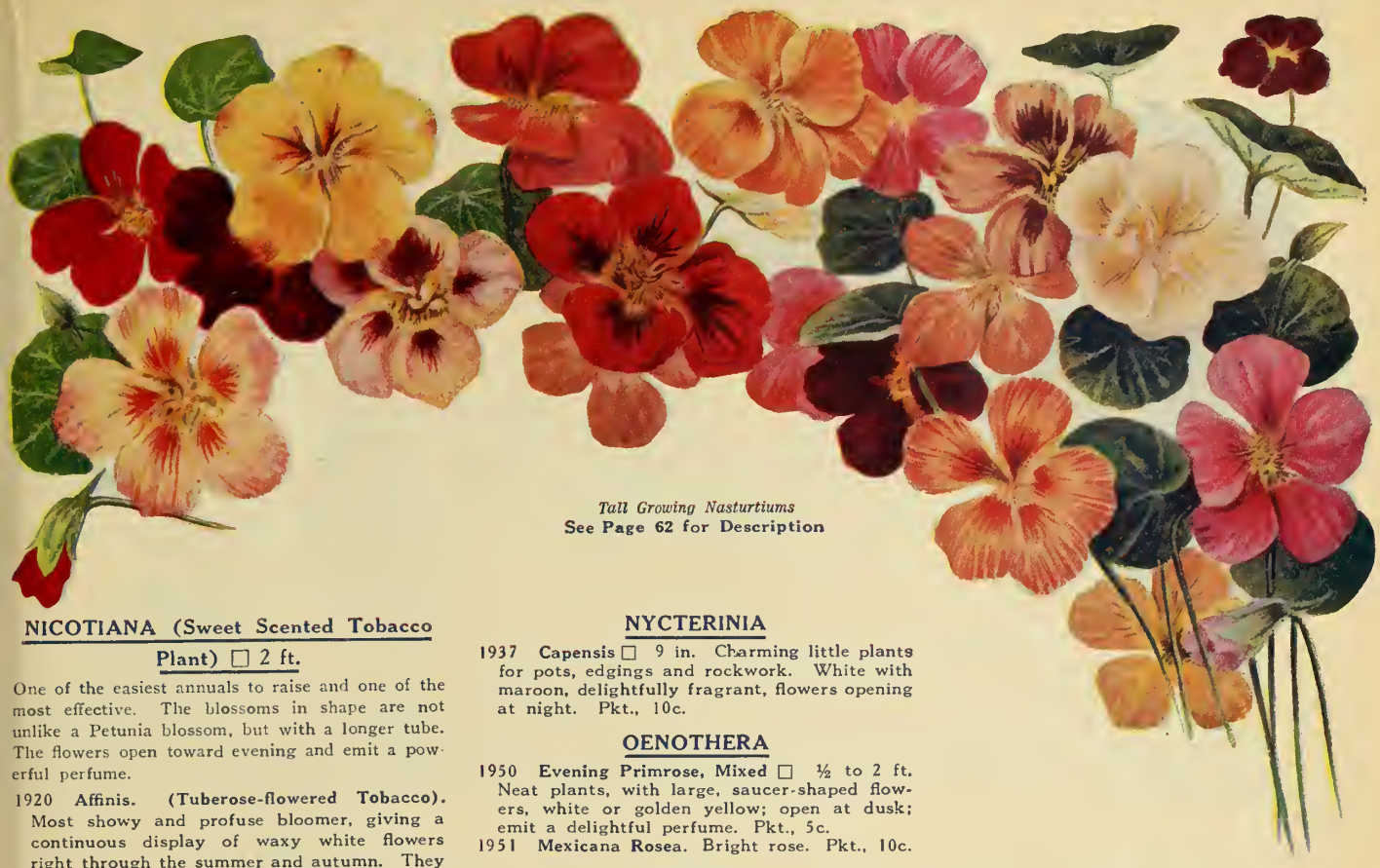
Ivy-Leaved Nasturtiums

All with fine fimbriated petals. Colors intense and very striking. Foliage also very beautiful, like Ivy, and vines exceedingly graceful.
2377 **Ivy-leaved Tall Mixed.** Pkt., 10c.

2380 **Vaughan's Special Mixture of Tall Nasturtiums.** We call especial attention to this mixture. In it will be found all the choicest colors of all the tall Nasturtiums, the rich, velvety Lobb's varieties, Canary Bird Creeper and the new variegated-leaved varieties. 1 lb., $1 50; ¼ lb., 40c; 1 oz., 15c; pkt., 10c.

Special Offer 2385. 1 pkt. each Nasturtium, Vaughan's Special Tall and Dwarf Mixture, 15c.

Special Offer 2390. 1 oz. each Nasturtium, Vaughan's Special Tall and Dwarf Mixture, 25c



Tall Growing Nasturtiums
See Page 62 for Description

NICOTIANA (Sweet Scented Tobacco Plant) □ 2 ft.

One of the easiest annuals to raise and one of the most effective. The blossoms in shape are not unlike a Petunia blossom, but with a longer tube. The flowers open toward evening and emit a powerful perfume.

1920 **Affinis. (Tuberose-flowered Tobacco).** Most showy and profuse bloomer, giving a continuous display of waxy white flowers right through the summer and autumn. They commence to bloom a few weeks from sowing. The plants are of branching, bushy habit, 2 to 3 feet high; carry their flowers in clusters. One single plant will bear thousands of blooms during the season. The effect in the garden is simply wonderful. Delightfully sweet-scented. Sow seed in boxes or pans in the early spring, and protect from frost and cold winds. Plant out as soon as all danger of frost is over. Pkt. 5c.

1925 **Affinis Hybrida.** Splendid hybrids in blue, red and rose, etc., shades. Pkt., 5c.

1926 **Sanderae.** A lovely hybrid tobacco of elegant branching habit, and bearing on light, graceful stems great quantities of very beautiful rosy carmine flowers. Pkt., 5c.

1928 **Sanderae Hybrids.** All shades. Pkt., 5c.

1930 **Sylvestris.** 4 ft. A noble-looking plant of pyramidal habit, with long, tubular, pure white flowers, borne in dense panicles, and possessing the merit of remaining fully expanded throughout the day as well as in the evening. Pkt., 5c.

NIEREMBERGIA

1931 **Gracilis** □ 6 in. Flowers white, shading to and veined lavender, an exceedingly graceful plant for hanging baskets, rockwork, etc. Pkt., 5c.

NIGELLA

1932 **Mixed (Love-in-the-Mist)** □ 1½ ft. A compact, free-flowering plant with finely cut foliage, curious looking seed pods; of easy culture, growing in any garden soil. Blue and white mixed. Pkt., 5c.

1934 **Miss Jekyll.** A lovely variety, bearing on long stems large semi-double of a lovely tender blue, nestling in fine feathery foliage. Pkt., 10c.

NOLANA

1936 **Mixed** □ Pretty trailing plant, useful for edging or rockwork. Pkt., 10c.

NYCTERINIA

1937 **Capensis** □ 9 in. Charming little plants for pots, edgings and rockwork. White with maroon, delightfully fragrant, flowers opening at night. Pkt., 10c.

OENOTHERA

1950 **Evening Primrose, Mixed** □ ½ to 2 ft. Neat plants, with large, saucer-shaped flowers, white or golden yellow; open at dusk; emit a delightful perfume. Pkt., 5c.

1951 **Mexicana Rosea.** Bright rose. Pkt., 10c.

OXALIS

1955 **Rosea** □ An excellent little plant for edging or pots; blooms all summer in the greatest profusion; flowers dark rose and delicate pink. Pkt., 10c.

1956 **Tropaeoloides.** 3 in. Yellow flowers, rich brown foliage. Pkt., 10c.

PERILLA

2597 **Nankinensis** □ 1½ ft. Valuable foliage plant, resembling Coleus, dark mulberry-colored leaves. Seed germinates slowly. Pkt., 5c.

Vaughan's Rose Grower bone meal sprinkled near your flowers will brighten their colors and hasten their growth.

Mignonette—Giant Machet
See Page 61 for Description

PASSIFLORA

2592 **Coerulea Grandiflora (Passion Flower)** ÷ = 15 ft. **Southern Beauty.** A beautiful vine for greenhouse and window. Few effects are more charming than the Blue Passion Flower covering a greenhouse wall with its rich green foliage and sky-blue flowers, followed later by an abundance of handsome fruit. Pkt., 10c.

2593 **Gracilis.** Blue and white. Pkt. 10c.

PENNISETUM

2595 **Longistylum** □ 2½ ft. An Abyssinian grass with long, feathery, bearded bristles. Pkt., 10c.

2596 **Rueppelianum.** The spikes are longer and more graceful. Used to border canna beds. Pkt., 10c.

POINCIANA

2775 **Gilliesi (Bird of Paradise).** ÷. The blossoms are of a rich golden yellow, about 2¼ inches in diameter, produced in large trusses, the most striking feature being the long, incurving stamens and pistils of a beautiful bright crimson color. Seed should be soaked in warm water and started indoors or under glass in a light sandy soil. Plants should be carefully hardened by gradual exposure to fresh air before going into the open ground. If the seed is started early it will produce blooms in great profusion the first year. Pkt., 10c.

FOR SHADY AND PARTLY SHADED PLACES

Achillea, Asperula Azurea Setosa, Balsams, Begonia, Bellis, Campanula, Columbine, Cowslip, Coreopsis, Foxglove, Kenilworth Ivy, Lobelia, Mimulus, Myosotis (Forget-me-not), Pansy, Poppy (Perennial), Viola Cornuta.

Vaughan's Giant Pansies

2500 **Adonis.** Light blue with white margin. Pkt., 15c.

2501 **Auricula Colors.** Metallic shades. Pkt., 15c.

2502 **Azure Blue.** Sky-blue. Pkt., 15c.

2503 **Beaconsfield.** Upper petals light lavender, lower ones a deep rich purple. ⅛ oz., 50c; pkt., 15c.

2504 **Boulogne Giant Mixture.** The flowers are of the largest size, great substance, fine form and are borne on particularly strong stems. They are mostly 3 and 5 blotched, delicately veined. Pkt., 100 seeds, 50c; ¼ oz., $2.00.

2505 **Bugnot.** Shades of red, bronze and reddish cardinal. Pkt., 20c.

2506 **Cassiers 3 and 5 Blotched Mixed.** Mostly light shades with dark blotches. ⅛ oz., 60c; pkt., 20c.

2507 **Coal Black.** A jet black. Pkt., 15c.

2507a **Colossa Venosa.** Light, veined shades, large flowers. Pkt., 20c.

2508 **Emperor Francis Joseph.** Pure white, large blotch of brilliant violet blue on each petal. Pkt., 20c.

2508a **Emperor William.** Dark navy blue. ⅛ oz., 50c; pkt., 15c.

2508b **Fiery Faces.** Yellow and red. Pkt., 15c.

2509 **Mad. Perret.** Lovely shades of pink and rose. ⅛ oz., 50c; pkt., 15c.

2510 **Marechal Niel.** Delicate pleasing, cream color. Pkt., 15c.

2511 **Masterpiece (New Giant Curled or Spencer Pansies).** The petals are crimped and curled so the flowers appear double. ⅛ oz., 70c; pkt., 25c.

2512 **Orchid Flowered, Andromeda.** Delicate apple-blossom. Pkt., 20c.

2513 **Almond Blossom.** Delicate rose. Pkt., 20c.

2514 **Mammoth.** An odd combination of light greenish yellow ground, with deep purple blotches. Pkt., 20c.

2515 **Sunset.** Cinnabar and golden chamois. Pkt., 25c.

2516 **Special Mixture of Orchid Flowered Varieties.** Including only pretty tints and combinations of cream, primrose, and pale mauve, the flowers being exquisitely frilled and veined in contrasting colors. Pkt., 25c.

2517 **Orchid Flowered Mixed.** Rare light shades, large frilled flowers, very attractive. Pkt., 15c.

2518 **Paris Market.** An improved strain of Trimardeau, with better flowers and more compact habit. ⅛ oz., 40c; pkt., 10c.

2519 **Pink.** Fine shades of pink, same as Hydrangea. ⅛ oz., 50c; pkt., 15c.

2521 **President McKinley.** Five blotched yellow. Pkt., 15c.

2523 **Purple.** Rich deep purple. Pkt., 15c.

2524 **Prince Bismarck.** Light brown. Pkt., 15c.

2525 **Pretiosa.** Each petal has a large blotch of deep violet on crimson background, with white edge. Pkt., 15c.

2526 **Rosy Morn.** A bright purplish crimson margined with a clear white edge. Pkt., 15c.

2526a **Ruby Red.** Pkt., 15c.

2527 **Striped.** Mahogany, striped and flaked white. Pkt., 15c.

2528 **Trimardeau.** Mixed. ⅛ oz., 40c; pkt., 10c.

2528a **Victoria.** Claret red. Pkt., 15c.

2529 **Violet Blue.** A very pleasing shade. ⅛ oz., 40c; pkt., 15c.

2529a **Volcano.** Deep red with five large blotches, very fine. Pkt., 20c.

2530 **Pure White.** Pure white without blotches. ⅛ oz., 50c; pkt., 15c.

2531 **White, With Eye.** Very large. ⅛ oz., 45c; pkt., 15c.

2532 **Pure Yellow.** Golden yellow without blotches. ⅛ oz., 50c; pkt., 15c.

2533 **Yellow, With Eye.** Immense flowers. ⅛ oz., 45c; pkt., 15c.

2534 **Chicago Parks Bedding Mixed.** Great diversity of colors, free flowering, blossoms slightly smaller than the Giant sorts. ¼ oz., 60c; ⅛ oz., 40c; pkt., 10c.

2540 **Vaughan's Giant Mixture.** Embraces, besides most of the above shades and colors, five special strains not listed elsewhere in this catalog and which can be had only in this and our International Mixture of Pansies. It includes the richest reds, coppers and bronzes, together with the most delicate rose-pink shadings and the Masterpiece strain with its delicate veinings and ruffled petals. ¼ oz., $1.00; 1 pkt. 250 seeds, 25c; 1 pkt. 125 seeds, 15c.

VAUGHAN'S SPECIAL

2545 **Vaughan's International Mixture.** This is and always has been, literally, a World's Best Mixture. Composed of well-rounded, perfect shaped flowers of a wide range of coloring and markings, must have thick, velvety petals with fluted or semi-double edges, and must stand erect on good stiff stems with a good healthy growth of plant. While every solid color is represented, there are also all the possible variations of each one of these. 3 pkts. (600 seeds), 65c; 5 pkts. (1000 seeds), $1.00; ⅛ oz., $1.75; pkt. (200 seeds), 25c.

VAUGHAN'S SPECIAL

VIOLA CORNUTA (Tufted Pansies)

3-6 in.

Flowers all summer from seed sown in early spring, and are valuable for edging beds and borders. Require protection during winter.

2546 **Alba.** Large white flowers. Pkt., 10c.

2547 **Admiration.** Violet blue flowers. Pkt., 10c.

2548 **Blue Perfection.** Pale blue flowers. Pkt., 10c.

2549 **Lutea Splendens.** Bright yellow. Pkt., 10c.

2550 **Thuringia.** Dark blue, white eye. Pkt., 10c.

2553 **Papilio.** Flowers soft lavender-purple, lower petals flushed white. Pkt., 15c.

2554 **Vaughan's Improved Scotch Pansies.** Produces flowers with "faces," the colors range from pale lavender to deep rich purple, many charming intermediate shades. Pkt., 25c.

2555 **Cornuta Mixed.** Pkt., 10c.

Petunia—Small Flowering

Petunias ☐

For freedom of bloom, variety of color and effectiveness these have no equal. If only a little care is bestowed upon them, Petunias will produce their handsome, sweet-scented flowers in their delicate and gorgeous colors throughout the whole summer.

Double Large Flowering Varieties

2600 **Vaughan's Mixture of Double Petunias.** This is a mixture of the best large flowering and fringed double petunias. Seed is saved from plants grown in pots, carefully pollenized and will produce grand flowers. Of course, every one knows only a certain percentage of double flowers may be expected from seed, but our mixture will produce from 20 to 30 per cent of doubles, while the remainder will be choice, large single flowers. The weaker seedlings should be carefully saved, as those invariably produce the finest double flowers. Pkt., 200 seeds, 30c; 1,000 seeds, $1.35.

2601 **Lady of the Lake.** Double White fringed
2602 **Double Heliotrope.**
2603 **Double Red.**
2604 **Double Rose.**
2605 **Double Mixed.**
} Pkt., 125 seeds, 25c.

2606 **Double Small Flowered Mixed.** The flowers of this strain are smaller than those of the above types, but they are produced in greater profusion. Pkt., 300 seeds, 25c.

Single Small Flowering Varieties 1½ ft.

See also Novelties

2607 **Alba.** Pure white. Pkt., 5c.
2608 **Carmine Rose.** Pkt., 5c.
2609 **Countess of Ellesmere.** Rose with white throat. Pkt., 5c.
2610 **General Dodds.** Blood-red. Pkt., 5c.
2611 **Howard's Star.** A beautiful free-flowering strain, color crimson-maroon with a clearly defined five-pointed star of blushing white. For bedding, baskets, vases, etc., this is exceptionally fine. Pkt., 10c.
2612 **Inimitable.** Blotched and striped. Pkt., 5c.
2613 **Violacea.** Violet blue. Pkt., 10c.
2614 **Venosa.** Light red veined. Pkt., 5c.
2615 **Good Mixed.** 1 oz., 80c; ¼ oz., 25c; pkt., 5c.
2616 **Finest Mixed.** ⅛ oz., 25c; pkt., 10c.

Single Dwarf Varieties

Dwarf, neat, compact bushes covered with a multitude of flowers all summer long, valuable for edging and formal bedding.

2617 **Carmen Sylva.** Baby blue with white throat. Pkt., 10c.
2618 **Improved Rosy Morn.** The plants are bushy and compact, the medium size flowers, produced in great abundance throughout the entire summer and fall are of a most pleasing clear pink, contrasted by a broad white throat. A splendid sort for porch boxes, pots and beds. Pkt., 300 seeds, 25c.
2619 **Norma.** Blue with white star. Pkt., 10c.
2620 **Dwarf Inimitable.** Regular white stars on deep old rose ground. Very effective in masses. Pkt., 10c.
2621 **Snowball.** A fine compact sort, producing its pure satiny-white flowers throughout the entire season. Pkt., 15c.

2625 **Vaughan's Special Mixture of Dwarf Small Flowering Varieties** includes all the above and many others and will be a revelation to those who plant a packet in furnishing an unending supply of flowers in a most bewildering combination of colors as long as the summer lasts. ⅛ oz., 40c; pkt., 10c.

Large Single Flowering Varieties

The flowers of this type average 3 to 4 inches in diameter.

2626 **Balcony Queen.** Rich, velvety violet with white blotches. Pkt., 150 seeds, 25c.
2627 **Balcony White.** A beautiful trailing variety. Pkt., 15c.
2628 **Balcony Blue.** Rich, velvety blue. Pkt. 150 seeds, 25c.
2629 **Brilliant Rose (Plain Edged).** Pkt., 150 seeds, 25c.
2630 **Brilliant Rose Fringed.** Pkt., 150 seeds, 25c.
2631 **White.** Pkt., 150 seeds, 20c.
2632 **Royal Purple.** This makes a beautiful combination if planted with the preceding. Pkt., 150 seeds, 20c.
2633 **Large Flowering Fringed Mixed.** A superb strain of elegant, finely fringed flowers, measuring over 4 in. in diameter; remarkable variety of color. Pkt., 200 seeds, 15c.

Single Giant Flowering Varieties

The flowers of this strain average 5 to 7 inches across and are wonderful.

2634 **Giants of California Mixed.** The flowers are very large and the colors embrace every conceivable shade of crimson, white, violet, lavender, etc. Pkt., 200 seeds, 15c.
2635 **Giant Empress.** Lilac blue with purple veins.
2636 **Giant White.** With yellow throat.
2637 **Giant Silvery Rose.** New.
2638 **Giant Rose.** Very pretty.
2639 **Giant Black Prince.** Darkest.
Each of the above, 5 pkts., 150 seeds, 25c; one pkt. each, for $1.00.
2640 **Triumph of the Giants.** The finest strain of single large-flowering Petunias; the flowers often measure 7 inches across; some of its colors cannot be found in any other mixture and nearly all the flowers are veined in contrasting colors. Pkt., 250 seeds, 35c.

HEDGES FROM SEED

Marvel of Peru (Four O'Clock), Salvia (Flowering Sage), Kochia (Summer Cypress or Burning Bush).

2645 **Vaughan's Best Mixture Large Flowering Single Petunias.** This mixture is made by ourselves and includes, besides the Giant Ruffled, all the colors of the large flowering and fringed sorts, and the unsurpassed Superbissima varieties, with their delicately veined throats in various colors, and their truly mammoth flowers. We are positive no other Petunia mixture can produce flowers with as wide a range of colors as **Vaughan's Best.** Pkt., 300 seeds, 25c.

Petunia—Vaughan's Best Large Flowering Single, Mixed

PORTULACA (Rose Moss) ☐ 6 in.

This plant will grow and bloom profusely in dry, hot situation, where almost any other plant would soon die. Easily transplanted. In sowing mix the seed with dry sand to insure an even distribution. Sow in May when the ground is thoroughly warmed through, and very soon one of the loveliest of floral carpets will appear.

Large Flowering Single

2842 **White.** 2846 **Striped.**
2844 **Yellow.** 2848 **Scarlet.**
2845 **Pink.**
Each of the above, pkt., 5c.

2849 **Parana.** The flowers are fully twice as large as those of other Portulacas and of the most dazzling purple scarlet. Pkt., 10c.
2850 **Single Mixed.** ¼ oz., 20c; pkt., 5c.

Large Flowering Double

2854 **White.** 2856 **Pink.**
2855 **Yellow.** 2858 **Scarlet.**
Each of the above, pkt., 10c.

2860 **Double Good Mixture.** ⅛ oz., 30c; pkt., 5c.
2865 **Double Best Mixture.** ⅛ oz., 50c; pkt., 10c.

Myosotis

See Page 61 for Description

Poppies grown from Vaughan's Special Mixture—Double and Single Poppies

Vaughan's Poppies

POPPIES are noted for their satiny flowers of silk-like texture, in many brilliant color combinations. The foliage is delicate and the blossoms are airily poised on slender stems. If the flowers are gathered early in the morning when the dew is on them, they will remain fresh in water all day. Plant the seed in succession two weeks apart for a continuous bloom all summer. Mix seed with sand before sowing so as to distribute the seed thinly and evenly.

Single Annual Poppies

2780 **Admiral.** Glistening white, with a broad margin of brilliant scarlet. Pkt., 10c.

2782 **Bride.** Very large pure white, perfectly formed flowers. Pkt., 5c.

California Poppy—See Escholtzia.

2783 **Danebrog or Danish Flag.** Brilliant scarlet flowers, with a silvery spot on each petal, forming a white cross. Pkt., 5c.

2783a **Flanders Poppy.** Vivid scarlet-red. This flower has in the minds of men been associated for over two hundred years with the battlefields of Flanders. Was the first official flower of the American Legion. ½ oz., 35c; 1 oz., 60c; ¼ lb., $2.00; pkt., 10c.

2784 **Hansa.** The flowers have a pure white ground color, passing towards the finely slitted edge to a deep crimson. Pkt., 5c.

2785 **King Edward.** Flowers deep scarlet, shaded crimson, with a large black blotch at the base of each petal. Pkt., 5c.

2786 **Mephisto.** Scarlet with black spots. Pkt., 10c.

2787 **Persian (Laevigatum or Firedragon).** Dark scarlet, black spots. Pkt., 5c.

2788 **Tulip (Glaucum).** Large tulip-shaped flowers of dazzling scarlet; not unlike a Scarlet von Thol Tulip. Pkt., 10c.

2789 **Umbrosum.** Rich vermilion flowers with a shining black spot on each petal. Pkt., 5c.

Shirley Poppies. Silk or Ghost; have beautiful satiny flowers of various colors, all with white centers, which makes the plants very attractive. Foliage is hairy and finely cut.

2790 **Blue Shirley.** Various shades of blue. Pkt., 15c.

2791 **Rose Shirley.** Shades of rose and pink. Pkt., 15c.

2792 **Shirley Mixed.** Beautiful shades in delicate shades of rose, apricot, salmon-pink, and blush to growing crimson with a sprinkling of blues. Oz., 30c; pkt., 10c.

2793 **Miss Sherwood.** Flowers shining, satiny white, the half of the corolla being a silky chamois rose. Pkt., 5c.

2794 **Eldorado.** 2 ft. □. The flowers are large, single, semi-double and double, and contain magnificent shades of soft salmon, orange, orange-scarlet, pink, rose and white, without any dark markings whatever. The substance of the petals in some of the lighter shades is as delicate as China silk. Pkt., 10c.

2795 **Eldorado Salmon Shades.** 2 ft. □. The introducer made a selection of these most popular shades and these will especially appeal to those admiring pastel shades in flowers. Pkt., 15c.

2796 **Single Mixed.** Oz., 20c; pkt., 5c.

For Iceland and Oriental Poppies—See perennial, pages 80 to 89.

2797 **Vaughan's Special Mixture, Single Poppies.** This mixture includes all the above choice Poppies and many other kinds not listed. It is really extra choice. ¼ lb., 70c; 2 oz., 40c; 1 oz., 25c; pkt., 10c.

VAUGHAN SPECIAL

Double Annual Poppies

2800 **American Flag.** Flowers very large, snow white, scarlet bordered. Pkt., 5c.

2801 **Fairy Blush.** The flowers have the effect of large feathery balls, overcast with a rosy shade. Pkt., 10c.

2802 **Giant Double Pure White.** Pkt., 10c.

2803 **Giant Double Pale Yellow.** Pkt., 10c.

2804 **Giant Double Pink.** Pkt., 10c.

2805 **Giant Double Cardinal Red.** Pkt., 10c.

2807 **Giant Double Lilac.** Pkt., 10c.

Poppy—Shirley

See Page 66 for Description

POPPIES, Double Annual—Continued

2807a **Giant Double Salmon.** Pkt., 10c.
2807b **Giant Double Heliotrope.** Pkt., 10c.
2807c **Giant Double Plum Violet.** Pkt., 10c.
2809 **Mikado.** Flowers brilliant scarlet and white with elegantly curled petals, like Japanese Chrysanthemum. Pkt., 5c.
2810 **Scarlet King.** Pkt., 5c.
2811 **White Swan.** Fringed double white. Pkt., 5c.
2811a **Double Shirley.** Beautiful double satiny flowers in shades of white, pink and old rose with white center. Pkt., 10c.
2812 **Carnation-Flowered Mixture of Double Poppies.** Large sized flowers of all shades, many striped. Pkt., 5c.
2813 **Peony-Flowered Mixture.** Double ball-shaped flowers of gigantic size. Pkt., 5c.
2814 **Rhoeas Fl. Pl. Double French Mixture.** Double form of the Shirley type. Pkt., 5c.
2815 **Double Mixed.** Many kinds and colors. Pkt., 5c.

2828 **Vaughan's Special Mixture, Double Poppies.** This includes all the above sorts, and will produce charming flowers in an endless variety of colors. ¼ lb., 85c; 1 oz., 30c; ½ oz., 20c; pkt., 10c.

2798 **Vaughan's Special Mixture Double and Single Poppies.** Comprises not only all the double and single Poppies described, but also a number of other sorts especially purchased for this mixture, including some entirely new ones. 1 oz., 30c; ½ oz., 20c; pkt., 10c.

PHLOX DRUMMONDI

The Phloxes are the showiest and most easily raised of all Annuals. We know of nothing which produces such a continuous supply of the most attractive flowers in a most wonderful range of colors. All the tints of the rainbow are represented with all possible variations of stripes, veins and eyes of contrasting shades. Seed should be sown in the ground as soon as danger of frost is over and in a few weeks the beds are a blaze of glory.

Grandiflora Varieties ☐ 1 ft.

This section has beautiful, round-petaled flowers, which overlap each other.

2660 **Alba.** Pure white.
2661 **Alba Oculata.** White with dark eye, a good contrast.
2662 **Atro-purpurea.** Black brown.
2663 **Brilliant.** Rose with dark eye.
2664 **Carnea.** Flesh color.
2665 **Chamois rose.**
2666 **Coccinea.** Fiery scarlet.

PHLOX DRUMMONDI—Continued.

2668 **Coerulea Striata.** Blue striped.
2669 **Crown Prince.** Salmony scarlet.
2670 **Isabellina.** Yellow.
2671 **Kermesina Splendens.** Vivid crimson, with white eye.
2673 **Gold Star.** Pink with gold star.
2676 **Rosea.** Pink.
2681 **Violet.**

All the above, pkt., 10c; any 3 pkts. for 25c.

2685 **Splendid Mixture.** 1 oz., $1.25; ¼ oz., 35c; 250 seeds, pkt., 10c.
2690 **Drummondi Mixed.** Good Mixture, oz., 85c; ¼ oz., 25c; pkt., 5c.
2695 **Cuspidata Mixed.** Mixture of star-shaped flowers. Pkt., 10c.
2727 **Semi-Double Varieties Mixed.** Pkt., 15c.

Nana Compacta Dwarf 8 in.

These are much superior to the other Phloxes for ribbon bedding or borders. The plants grow very symmetrical in neat, little bushes, covered with flowers during the whole summer and fall

2735 **Fireball.** Blood-red. Pkt., 15c.
2736 **Chamois Rose.** Pkt., 10c.
2740 **Snowball.** Pure white. Pkt., 15c.
2741 **Isabellina.** Yellow. Pkt., 10c.
2742 **Sky-blue with White Eye.** Pkt., 15c.
2743 **Salmon-Pink.** Pkt., 15c.
2745 **Nana Compacta, Mixed, all colors.** Pkt., 10c.
2750 **Cecily. Mixed, all colors.** Flowers are of immense size, the coloring very bright and nearly all the blossoms display a white eye. Excellent for borders. Plants grow bushy and compact. Pkt., 15c.

2760 **Vaughan's Special Mixture Phlox.** Contains all the above varieties and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package. 1 oz., $1.60; ¼ oz., 50c; ⅛ oz., 30c; 250 seeds, 15c.

PRIMULA CHINENSIS

(Chinese Primrose)

This is one of the most charming winter flowering house plants. Our seed has been specially grown for us by the most celebrated English Primula specialist. The flowers are remarkable, not only for size, beauty and brilliancy of the colors, but for the great substance of the petals.

2888 **Good Mixture of Single Varieties.** Pkt., 15c.
2890 **Vaughan's International Mixture.** Our mixture contains all the choicest colors of the single-flowering Primulas in all their dainty shades. 100 seeds, pkt., 35c.

Phlox Drummondi

Nicotiana Affinis

See Page 63 for Description

PRIMULA—Continued

Primula—Various Sorts

2892 **Malacoides ÷ 10 in.** The flowers are of a delicate shade of lavender, produced in whorls on tall graceful spikes in great profusion. Pkt., 25c.
2893 **Malacoides Rosea.** Pkt., 25c.
2894 **Forbesi (Baby Primrose) ÷ 10 in.** The flowers are very graceful, of the most pleasing rose color with yellow eyes and are borne on erect stems. Pkt., 15c.

Primula Auricula and Veris—See Perennials.

Primula Obconica

This is one of the most beautiful Primulas for pot culture and also succeeds well in the open border during the summer.

2896 **Appleblossom.** Pkt. 200 seeds, 25c.
2897 **White.** Pkt. 200 seeds, 25c.
2898 **Pink.** Pkt. 200 seeds, 25c.
2905 **Obconica Grandiflora Mixed.** Good mixture. Pkt. 200 seeds, 15c.

Primula Obconica Gigantea

The leaves are dark green, thick and leathery, roundish, veined at the edges and often measure six inches in diameter. The flower stalks are stiff and strong. The flowers are of good shape, measure from 1¼ to 1½ inches in diameter, and are borne in clusters up to four inches across.

2906 **Gigantea Rosea.** A beautiful clear rose. Pkt. 200 seeds, 25c.
2909 **Gigantea Mixed.** Pkt. 200 seeds, 25c.

PYRETHRUM

2910 **Aureum (Golden Feather) ☐ 6 in.** One of the best plants for edging, grown for its beautiful yellow foliage. Most successfully treated as an annual. Pkt., 10c.

Pyrethrum Roseum—See Perennials.

RHODANTHE (Everlasting) ☐ 1 ft.

2925 A charming annual; succeeds in a light rich soil and a warm sheltered situation; valuable for pot culture; flowers everlasting; mixed colors. Pkt., 10c.
2926 **Manglesi Rose.** Bright rose flowers, very graceful, makes a pretty pot plant. Pkt., 10c.
2927 **Maculata Alba.** White.
2928 **Maculata Rosea.** Rose.
2929 **Mixed.**

Each of above, pkt., 10c.

FOR HANGING BASKET AND WINDOW BOXES

Alyssum, Asparagus Sprengeri, Lobelia Sapphire, Maurandia, Nasturtium, Petunia and Verbena.

Portulaca—Double Best Mixed
See Page 65 for Description

RICINUS (Castor Bean) ☐

Stately, strong growing plants, with very ornamental foliage, well adapted as center plants of groups of Cannas, Dahlias, etc. Moles are troublesome in many gardens, but they may be kept away by planting Castor Beans in the borders.

2932 **Cambodgensis.** 6 to 8 ft. Large palm-like leaves of darkest maroon; stalk nearly black. 1 oz., 20c; pkt., 5c.

2934 **Panormitanus.** 8 to 10 ft. Huge leaves of a peculiar old bronze shade; stems blue powdered. 1 oz., 25c; pkt., 10c.

2935 **Sanguineus.** 6 ft. Green leaved, red stems. 1 oz., 15c; pkt., 5c.

2936 **Zanzibariensis Mixed.** 10 to 12 ft. The ornamental leaves, beautifully lobed, are 2½ to 4 ft. across. Each plant makes a perfect pyramid of foliage. 1 oz., 15c; pkt., 5c.

2937 **Zanzibariensis Enormis.** 1 oz., 20c; pkt., 5c.

2938 **Mixed.** Many sorts. 1 oz., 15c; pkt., 5c.

ROSE

2940 **Polyantha Nana.** 1 ft. Miniature Fairy Roses, forming little bushes covered with dainty little single and semi-double flowers, six months after sowing. Pkt., 10c.

RUDBECKIA

2942 **Bicolor Superba (Coneflower)** ☐ 2 ft. Produces an abundance of bright yellow flowers with brown central disc; fine for cutting. Pkt., 10c.

SALPIGLOSSIS ☐ 2½ ft.

Undoubtedly one of the most attractive annuals and should be in every garden. The blossoms are tube-shaped much like a Petunia but rivalling the latter in the beautiful colors displayed. Each flower is veined with a glint of gold, and it is the only flower to our knowledge possessing this odd characteristic. The Salpiglossis is deservedly known as the Orchid of Hardy Annuals. If you are not familiar with this, try one package and we know your garden will always contain it after you have seen it.

2944 **Bright Crimson.** 2951 **Velvety Violet.**
2946 **Faust. Black.** 2952 **Golden Yellow.**
2949 **Pink.**

Each of the above per pkt., 15c.

FOR SHADY AND PARTLY SHADED PLACES

Achillea, Aspcrula Azurea Setosa, Begonia, Bellis, Campanula, Columbine, Cowslip, Coreopsis, Foxglove, Kenilworth Ivy, Lobelia, Mimulus, Myosotis (Forget-me-not), Pansy, Poppy (Perennial), Viola Cornuta.

SALPIGLOSSIS—Continued.

2953 **Gloxiniaflora Mixed** ☐ 2½ ft. A special selection of the Painted Tube Tongue made by a French hybridizer. Flowers large and fancifully veined in contrasting colors. Pkt., 15c.

2954 **Mixed.** Good quality. Pkt., 5c.

2955 **Emperor Mixed.** Large improved strain, complete range of colors. Pkt., 10c.

2960 **Vaughan's Special Mixture.** This mixture is put up by ourselves of separate varieties and is without doubt the best mixture obtainable. ⅛ oz., 35c; pkt., 15c.

SALVIA SPLENDENS (Scarlet Sage) ☐

The Salvia Splendens is a standard bedding plant that keeps the garden bright with color until late in autumn. This plant lends itself to many uses; it makes a good pot plant, does well in window boxes, and is useful for cutting. Its best use, however, is as a hedge or border plant, for brilliant color effect.

2962 **America, or Globe of Fire.** This is the freest and most continuous bloomer; also the most uniform in habit of growth, which makes it particularly valuable for bedding or planting in lines. Pkt., 25c.

2963 **Ostrich Plume.** 2 ft. Flowers bright scarlet, and instead of each stem having but one flower spike they produce a cluster not unlike a Celosia. It is quite distinct and comes true from seed. Pkt., 25c.

2964 **Fireball.** 1½ ft. The bushy plant is covered with a great number of flower spikes of the most fiery scarlet. The plants branch freely, the side shoots often producing 4 to 6 flowering spikes. Pkt., 15c.

2965 **Clara Bedman or Bonfire.** 2 ft. The spikes grow erect and stand clear above the foliage. The plants form handsome globular bushes. Pkt., 10c.

2966 **Drooping Spikes.** 2½ ft. This large flowering variety has three times the flowering capacity on each spike of the ordinary Salvia Splendens. Pkt., 10c.

2967 **Maroon Prince.** 2 ft. Particularly rich and royal color. A purple violet with a velvety sheen. Pkt., 15c.

2968 **Zurich.** Early. The plants are dwarf and compact with large brilliant flower spikes. Pkt., 15c.

2970 **Mixed.** The above sorts and others. Pkt., 10c.

2972 **Coccinea.** 2 ft. Annual scarlet sage. Pkt., 5c.

2973 **Farinacea.** 3 ft. Tall spikes of silvery lavender blooms form a dense mass of foliage. Pkt., 10c.

Ricinus

Portulaca—Single
See Page 65 for Description

SANVITALIA

3000 **Procumbens Fl. Pl.** ☐. 6 in. Small double yellow flowers produced in abundance all summer, excellent edging plant. Pkt., 10c.

SCABIOSA (Mourning Bride) 2½ ft. ☐

Commonly known as the Pincushion Plant. The flower stems are long and the blossoms keep well in water. The soft shades predominate. When given plenty of room and the seed vessels are kept regularly picked off, it will last through the whole summer. Owing to its sweetness the bees are very fond of it and its floral flavors also attract all the most beautiful types of butterflies to the neighborhood.

Large Flowering Double

3010 **Snowball.** 3016 **Azure Fairy.**
3012 **Golden Yellow.** 3017 **Cherry Red.**
3014 **Flesh.** 3018 **Black Prince.**
3015 **Fiery Scarlet.** 3019 **Rose.**

Each of the above per pkt., 10c; any 3 pkts. for 25c.

3020 **Mixed.** The above and others. Pkt., 5c.

3025 **Vaughan's Special Mixture.** Many new colors have been purchased for this, our latest special mixture, and we are sure the delicate and soft colors will be admired by all our friends who plant a packet of this seed. ¼ oz., 25c; pkt., 10c

SCHIZANTHUS

Tbis is one of the daintiest of annuals. Tbe seed germinates readily and in a few weeks the plant is a mass of small but bright flowers in a bewildering range of colors, all blotched and marked in contrasting shades. The foliage is delicate and fern like. It may be sown in spring for garden decoration or may be seeded in fall in pots in the conservatory or house for spring blooming.

3030 **Grandiflorus, Garaway's Hybrids.** A grand strain bearing a profusion of large flowers, all with handsome markings on a white, buff, brilliant rose, rich blue or purple ground. Pkt., 25c.

3032 **Wisetonensis** 1½ ft. Profusion of flowers varying from almost white with yellow eye to a brilliant rose with bronzy brown center. Pkt., 15c.

3033 **Mixed, all colors.** ¼ oz., 15c; pkt., 5c.

SENECIO

3026 **Multibracteatus.** 2 ft. A new greenhouse perennial of great merit. The plants produce a large sheaf of long-stemmed Cineraria-like flowers of a clear rose color with brilliant yellow centres. Invaluable for table decoration, especially under artificial light. May also be used for summer bedding. Pkt., 50c.

American Legion Collection

No. 1

Sweet Peas

Grandiflora Type

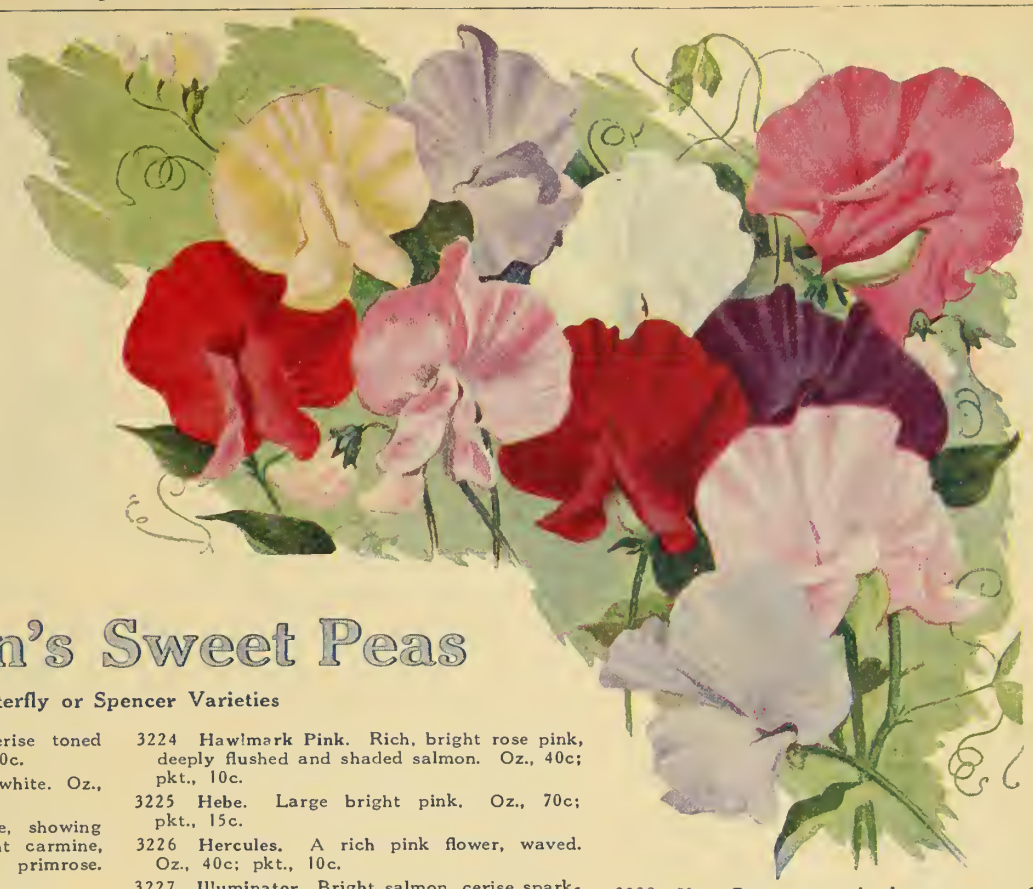
(red, white and blue). One pkt. each, King Edward VII (red), Dorothy Eckford (white), and Mrs. G. Higginson, Jr. (blue), for 10c.

No. 2

Spencer Sweet Peas

(red, white and blue). One pkt., each, King Edward VII. (red), Mrs. Tom Jones (white), Wedgewood (blue), prepaid for 25c.

3257 **Mixed Red, White and Blue.** 1 oz., 30c; pkt., 10c.



Vaughan's Sweet Peas

Butterfly or Spencer Varieties

3200 **Alexander Malcolm.** Fine cerise toned orange scarlet. Oz., 40c; pkt., 10c.

3201 **America.** Carmine stripe on white. Oz., 40c; pkt., 10c.

3202 **Appleblossom.** Standard rose, showing veins of deeper rose, wings light carmine, the whole color overspreads on primrose. Oz., 30c; pkt., 10c.

3203 **Blanche Ferry.** Standard bright carmine rose and wings white, suffused and tinted with light pink. Oz., 30c; pkt., 10c.

3204 **Blue Monarch.** Dark blue. Oz., 30c; pkt., 10c.

3205 **Blue Picotee.** White, edged violet blue. Oz., 30c; pkt., 10c.

3206 **Bolton's Orange.** Rich orange salmon self. Oz., 40c; pkt., 10c.

3207 **Commander Godsall.** New, violet-blue. Oz., 60c; pkt., 15c.

3208 **Constance Hinton.** Of enormous size. The best white for outdoor planting. Oz., 40c; pkt., 10c.

3209 **Countess Spencer.** Clear pink deepening somewhat towards the edge. Oz., 30c; pkt., 10c.

3210 **Dainty.** Large white flower edged with clear rose pink. Oz., 40c; pkt., 10c.

3211 **Dobbie's Cream.** Deep cream or primrose. Oz., 40c; pkt., 10c.

3212 **Dobbie's Lavender Geo. Herbert.** Improved Florence Nightingale opens a little mauvish but clears to pure lavender. Oz., 40c; pkt., 10c.

3213 **Edith Taylor.** Bright salmon rose self. A new shade between salmon and shell pink. Oz., 40c; pkt., 10c.

3214 **Elfrida Pearson.** Large deep blush waved buds and young flowers having a bronze sheen. Oz., 30c; pkt., 10c.

3215 **Eva.** Large, pure white of good substance. Pkt., 20c.

3216 **Fiery Cross.** A new shade of red Turkey or military red. Oz., 40c; pkt., 10c.

3217 **Flora Norton.** Light blue. Oz., 40c; pkt., 10c.

3218 **Florence Morse.** Light pink. Oz., 40c; pkt., 10c.

3219 **Florence Nightingale.** Lavender. Oz., 40c; pkt., 10c.

3220 **George Herbert.** Bright rosy carmine. Oz., 30c; pkt., 10c.

3221 **Gladys.** Lilac self. Pkt., 20c.

3222 **Giant White.** Pkt., 25c.

3223 **Golden Glory.** Glowing orange. Oz., 70c; pkt., 15c.

3224 **Hawlmark Pink.** Rich, bright rose pink, deeply flushed and shaded salmon. Oz., 40c; pkt., 10c.

3225 **Hebe.** Large bright pink. Oz., 70c; pkt., 15c.

3226 **Hercules.** A rich pink flower, waved. Oz., 40c; pkt., 10c.

3227 **Illuminator.** Bright salmon, cerise sparkling with orange. Oz., 40c; pkt., 10c.

3228 **King Edward VII.** Rich waved crimson. Oz., 30c; pkt., 10c.

3229 **King Manuel.** Giant chocolate maroon self. Oz., 30c; pkt., 10c.

3230 **King White.** Produces gigantic flowers absolutely pure white. Oz., 30c; pkt., 10c.

10 Best Sweet Peas

3260 Each year this collection is revised, newer varieties being included as the older ones are dropped.

White	Mascot White
Pink	Hercules
Bright Rose	Hawlmark Pink
Purple	Royal Purple
Delphinium Blue	Mrs. Tom Jones
Scarlet Cerise	Alex Malcolm
Deep Maroon	Warrior
Lavender	Masterpiece
Bi-Color	Blanche Ferry
Orange Scarlet	Royal Scot

Price one (regular size) packet of each for 50c. If purchased separately would cost $1.10.

We cannot make any change in varieties.

3231 **Loyalty.** Blue striped waved. Oz., 30c; pkt., 10c.

3232 **Margaret Atlee.** Apricot pink on cream ground. Oz., 30c; pkt., 10c.

3233 **Margaret Madison.** Clear pale blue self. Oz., 30c; pkt., 10c.

3234 **Mascot's White.** A large waved white of good substance. Oz., 50c; pkt., 15c.

3235 **Masterpiece.** Clear lavender self, slightly flushed rose on standard. Oz., 40c; pkt., 10c.

3236 **Mrs. Cuthbertson.** Standard is light rose pink, wings white flushed pale rose pink. Oz., 30c; pkt., 10c.

3237 **Mrs. Arno'd Hitchcock.** Pale pink, flushed with salmon on a cream ground. Oz., 40c; pkt., 10c.

3238 **Mrs. Tom Jones.** Bright delphinium blue, a very attractive color. Oz., 40c; pkt., 10c.

3239 **New Buttercup.** A deep cream. Oz., 30c; pkt., 10c.

3240 **New Miriam Beaver.** Soft shell salmon pink on cream ground lightly overlaid with soft hydrangea pink. Oz., 30c; pkt., 10c.

3241 **Nubian.** Fine chocolate self waved. Oz., 30c; pkt., 10c.

3242 **Picture.** Color, flesh-pink with a rosy creamy apricot. Oz., 60c; pkt., 15c.

3243 **Pink Pearl.** Pearly pink. Oz., 60c; pkt., 15c.

3244 **R. F. Felton.** Good lavender. Oz., 30c; pkt., 10c.

3245 **Rosabelle.** A very large bright waved rose. Oz., 30c; pkt., 10c.

3246 **Royal Purple.** The best purple. Oz., 30c; pkt., 10c.

3247 **Royal Scot.** The most brilliant scarlet. It does not fade or burn in the hottest sunshine. Oz., 60c; pkt., 15c.

3248 **Stirling Stent.** A bright salmon colored flower. Oz., 40c; pkt., 10c.

3249 **Tangerine.** Deep orange colored flower, almost approaching the color of a tangerine orange. Oz., 50c; pkt., 10c.

3250 **The Cardinal.** Brilliant poppy scarlet. Oz., 40c; pkt., 10c.

3251 **The President.** Brilliant rich dazzling orange scarlet. Oz., 40c; pkt., 10c.

3252 **Thomas Stevenson.** Rich orange scarlet. Oz., 40c; pkt., 10c.

3253 **Warrior.** Rich chocolate maroon. Oz., 40c; pkt., 10c.

Vaughan's Special Mixture

3255 **Spencer Varieties.** This mixture is one we make ourselves from named sorts of late flowering ruffled or spencer varieties and a few of the early flowering ruffled. The result will be a gorgeous display of wonderful blossoms for a long period of time if cultural directions are followed in planting seed and subsequent care in watering. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.50.

VAUGHAN'S SPECIAL

(Continued on next page.)

Salpiglossis

See Page 68 for Description

SWEET PEAS—Continued

Early Flowering Spencer

A new race of Sweet Peas, having the large waved flowers of the Spencer type, but flowering fully one month earlier, they also continue to flower for a much longer period.

25 seeds in a packet except where noted.

Any 6 10c pkts. for 50c.

3270 **All-White.** The best white seeded. Oz., $1.00; pkt., 15c.

3271 **Amethyst.** An early flowering "Royal Purple." Oz., 80c; pkt., 10c.

3272 **Apricot Orchid.** A delightful and charming shade. Oz., 80c; pkt., 10c.

3273 **Asta Ohn.** Lavender. Oz., 60c; pkt., 10c.

3274 **Aviator.** Scarlet. Oz., 80c; pkt., 10c.

3275 **Blue Bird.** A magnificent violet-blue. Oz., 80c; pkt., 10c.

3276 **Cherry Ripe.** Salmon-cerise. Oz., 80c; pkt., 10c.

3277 **Columbia.** The best and most productive pink and white (Early Blanche Ferry). Oz., 80c; pkt., 10c.

3278 **Cream.** It has immense blossoms very frilled. Oz., 70c; pkt., 10c.

3279 **Fair Maid.** A blush pink suffused salmon, on a white ground. Oz., $1.00; pkt., 15c.

3280 **Fire King.** Orange-scarlet. Oz., 80c; pkt., 10c.

3281 **Glitters.** Standard bright fiery orange, wings deep orange. Oz., $1.00; pkt., 15c.

3282 **Gorgeous.** Salmon-rose. Oz., 80c; pkt., 10c.

3283 **Grenadier.** A glowing poppy scarlet. Oz., $2.00; pkt., 25c.

3284 **Harmony.** Lavender. Oz., 80c; pkt., 10c.

3285 **Heather Belle.** Mauve. Oz., 70; pkt., 10c.

3286 **Hercules.** Pink. Oz., 70c; pkt., 10c.

3287 **Irene.** A very fine bluish lavender. Oz., $1.00; pkt., 15c.

3288 **Liberty.** A very good early red. Oz., 70c; pkt., 10c.

3289 **Madonna.** The best black seeded white. Oz., $1.00; pkt., 15c.

3290 **Miss Louise Gude.** Brilliant pink. Oz., 80c; pkt., 10c.

3291 **Mrs. Chas. A. Zvolanek.** Clear lavender. Oz., 80c; pkt., 10c.

3292 **Mrs. Harding.** A deep shade of silvery-blue pure throughout. Pkt., 25c.

3293 **Mrs. Kerr.** The best early-flowering salmon. Pkt., 25c.

3294 **Othello.** Maroon. Oz., 80c; pkt., 10c.

3295 **Rose Queen.** Rose-pink. Oz., 80c; pkt., 10c.

3296 **Songster.** Lavender. Oz., 70c; pkt., 10c.

SWEET PEAS—Continued

3297 **Spring Maid.** Light pink on cream ground. Oz., 70c; pkt., 10c.

3298 **Snowstorm Improved.** Flowers large, pure white of great substance. Oz., 70c; pkt., 10c.

3299 **The Beauty.** Fiery dark rose. Oz., 80c; pkt., 10c.

3300 **Torch.** Salmon-rose. Oz., 80c; pkt., 10c.

3301 **Wedgewood.** Clear blue. Oz., 80c; pkt., 10c.

3302 **Yarrawa.** Rose, changing light pink, standard tinted buff. Oz., 70c; pkt., 10c.

3304 **Zvolanek's Blue.** Bright blue. Oz., 70c; pkt., 10c.

3305 **Zvolanek's Rose.** A giant rose-pink. Oz., $1.00; pkt., 15c.

3310 **Vaughan's Special Mixture.** Winter Spencers. Oz., $1.00; pkt., 15c.

Mixed Sweet Peas in Separate Shades

For such as prefer to grow the various colors separate, we have arranged the following mixtures out of the finest named sorts:

3315 **Pink Shades.** Light to deep pink.

3316 **Red Shades.** Bright rose to dark scarlet.

3317 **Lavender and Blue Shades.** Pale lavender to mauve.

3318 **Purple and Maroon Shades.** All the dark colors.

3319 **White and Primrose Shades.** All the delicate tints.

Each of the above, ¼ lb., 50c; oz., 15c.

3320 **Collection,** one oz., each of the five separate shades, 60c.

Sweet Peas in Mixture

3325 **Eckford's Mixture.** Contains some of each of the entire list of varieties and cannot fail to give satisfaction. Lb., 85c; ¼ lb., 25c; oz., 10c; pkt., 5c.

3330 **Sweet Peas, Vaughan's Prize Mixture.** The daintiest colors of all the Spencers. Large Flowering and Unwin types as well as darker combinations make a garden planted with these a continual joy. 1 lb., $1.50; ¼ lb., 40c; oz., 15c; pkt., 10c.

VAUGHAN SPECIAL

We strongly recommend the purchase of Brass Sprayers in every instance, as they will not corrode with strong solutions, and will last indefinitely.

Scabiosa

See Page 68 for Description

Salvia—Splendens

See Page 68 for Description

SENSITIVE PLANT—See Mimosa

SILENE

3037 **Armeria Mixed** □ 1½ ft. **(Catchfly.)** A very showy early-flowering hardy annual bearing in quantity, heads of beautiful white pink and red flowers. Pkt., 5c.

SMILAX + = 6 ft.

3040 Makes a fine pot or basket plant Elegant for table decoration when cut. Pkt. 10c.

SNAPDRAGON—See Antirrhinum

SOLANUM

3042 **Capsicastrum Nanum** ÷ 2 ft. **(Jerusalem Cherry.)** Easily grown plants with ornamental fruit. Especially fine for pots Pkt., 10c.

3043 **Cleveland Cherry.** This is an improvement on Jerusalem Cherry. Differs from it in habit of growth, which is dwarf and compact and the larger number of berries produced. One of the best house plants for window decoration. Pkt., 15c.

STATICE

A Beautiful Everlasting Flower

3045 **Russian (Suworowi)** 1 ft. Flowers bright rose color; valuable for winter bouquets. Pkt., 15c.

3046 **Bonduelli.** Producing numerous heads of bright yellow flowers, valuable for drying very attractive. Pkt., 10c.

3047 **Sinuata Blue.** Forming pretty rosettes of foliage from which rise branching flower stems 2½ ft. high, light to dark lavender flowers. Pkt., 10c.

3048 **Sinuata Rosea.**

3049 **Sinuata White.** Each, pkt., 10c.

STEVIA

3050 **Serrata** □ ÷ 2 ft. Free-blooming plants, bearing a multitude of fragrant pure white flowers; suitable for summer or winter blooming and cutting. Pkt., 10c.

SUNFLOWER—See Helianthus

Syracuse, N. Y., June 2, 1922.

Some three years ago I ordered one ounce of Zinnia seed that was shown by a colored plate in your catalogue.

I failed to plant that seed until the following spring, planting a portion of the seed. I received enough plants for my use. This season planted the remainder and to my surprise every seed germinated. A. A. DAY

Stocks

STOCKS—Large Flowering □

(Levkojen)

The Stocks represent all the desirable qualities of a flower. The plants have good habit, fine full or glossy leaves. The flowers appear on long, stiff stalks like small rosettes, are exceedingly fragrant and range through a most complete scale of all the soft and distinct shades.

Dwarf German 10 Weeks 1 ft.

This class is a favorite for outdoor bedding

3051 **White**
3052 **Canary Yellow**
3053 **Flesh**
3054 **Rose Pink**
3055 **Crimson**
3056 **Light Blue**
3057 **Mauve** (Water Blue)
3058 **Dark Blue**

Each of the above, pkt., 10c; any 3 pkts., for 25c.

3060 **Fine Mixed.** Pkt., 5c.
3070 **Best Mixed.** Pkt., 10c.

Giant Perfection "Cut and Come Again" 1½ ft.

Useful for outdoor bedding as well as for pots or cut-flower. They throw our numerous side branches, all bearing very double, fragrant flowers.

3075 **White**
3076 **Canary Yellow**
3078 **Pink**
3079 **Old Rose Improved**
3080 **Scarlet**
3081 **Empress Augusta Victoria.** Silvery lilac.
3082 **Light Blue**
3083 **Heatham Beauty.** A rich mauve, shaded terra cotta.
3084 **Dark Blue**

Each of the above, pkt., 10c; any 3 pkts., for 25c.

3085 **Giant Perfection Mixed.** ⅛ oz., 40c; pkt., 10c.

Bismarck 2½ ft.

If sufficient room is given, the plants develop to enormous dimensions, forming magnificent bushes with long and large flower stalks. Blooms after the ten weeks stocks have ceased.

3086 **White**
3087 **Lilac**
3088 **Rose**
3089 **Gold Ball**
3090 **Blood-red**

Each of the above, pkt., 15c.

Emperor or Winter 2 ft.

These are useful in planting in California outdoors.

3091 **Large Flowering White Lady.** White. Pkt., 15c.

STOCKS—Continued.

3092 **Emoress Elizabeth.** Brilliant carmine rose. Pkt., 15c.
3093 **Winter Stocks Mixed.** Pkt., 15c.

3095 **Vaughan's Special Mixture of Stocks.** Contains all the above and many others not catalogued. Pkt., 15c.

THUNBERGIA

3512 **Alata, Mixed (Black Eyed Susan)** □ = 5 ft. A lovely trailing plant with large showy flowers. It will trail over the ground, forming a dense mat of foliage and flowers. Colors range through all shades of yellow, orange, buff, to pure white, mostly with jet-black centers, or eyes, which are very effective. Sometimes called "Black-eyed Susan." All colors mixed. Pkt., 10c.

TORENIA

3515 **Fournieri Grandiflora** □ + 10 in. Bushy globular plants literally covered with the lovely richly colored, snapdragon-like flowers of a delightful sky-blue. They are excellent for beds, pots or hanging baskets. Pkt., 10c.

3517 **White Wings.** Flowers white with rose throat. Pkt., 10c.

TRITOMA

3524 **Hybrida Mirabilis** □. An annual Red Hot Poker Plant. Seed should be sown in temperate heat from January to March, pricked off and treated like half hardy annuals. The seedlings may be planted in open, grown from end of April to May and they will bloom freely from August to late in the autumn. Pkt., 15c.

SWEET WILLIAM

See Dianthus Barbatus in Perennial Pages.

VERBENA

Verbena is one of the most popular garden annuals and lends itself willingly to many uses. For beds, borders and window boxes it is particularly fine, and is frequently used for an undergrowth to tall plants like lilies. The clusters of showy and often fragrant flowers are borne in constant succession from June until frost. A carefully selected and improved strain of Verbenas.

Hybrida

3525 **Defiance.** An intense scarlet. Pkt., 10c.
3526 **Dark Blue with White Eye.** Pkt., 10c.
3527 **Lutea.** Yellow. Pkt., 10c.
3529 **Striped.** Mostly light colors with red and blue stripes. Pkt., 10c.
3542 **White.** Dense heads of finely shaped white flowers. Pkt., 10c.
3544 **Mayflower.** Various shades of pink. Pkt., 10c.
3545 **Striped, White on Red Ground.** Pkt., 10c.
3547 **Firefly.** Intense red. Pkt., 10c.
3549 **Purple Shades.** Dark purple. Pkt., 10c
3535 **Good Mixed.** ⅛ oz., 15c; pkt., 5c.
3550 **Mammoth Mixed.** Producing in handsome umbels flowers of large size in beautiful shades of white, rose, scarlet, blue, purple. ¼ oz., 40c; pkt., 10c.
3551 **Hybrida Gigantea.** A wonderful mixture of large flowering varieties. The flowers are, as the name indicates, gigantic, and with white eye, the reds particularly attractive. Pkt., 15c.

Verbena—Vaughan's Best Mixed

VERBENA—Continued.

3555 **Vaughan's Best Mixture.** It includes the dazzling Defiance, the Mammoth White, Purples, Striped, and all the Auricula flowered varieties with their large umbels of white-eyed flowers. We feel perfectly safe in stating this mixture of Verbenas will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders throughout summer. 1 oz., $3.00; ⅛ oz., 50c; large pkt., 25c; pkt. 125 seeds, 15c.

3556 **Dwarf Mixed.** 6 in. Good for edging, making an even carpet of blossoms and leaves. Pkt., 15c.
3557 **Citriodora (Lemon Scented Verbena)** ÷ An old favorite with fragrant evergreen leaves. It is a low-growing tender plant and may be grown in the garden in summer and in pots in winter, and the leaves dried and laid among linens. Pkt., 10c.
3558 **Erinoides.** Forming elegant little spreading bushes with finely cut foliage and pretty heads of bloom, purplish rose changing to Oxford blue. Pkt., 10c.
3559 **Erinoides Alba.** Of the same character as above, but with white flower heads, very pretty. Pkt., 10c.
3561 **Venosa** 1 ft. Largely used for bedding purposes, strong, thrifty growers covered with bright purple and heliotrope flowers. Pkt., 10c.

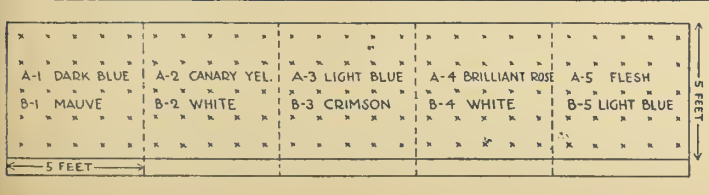
VINCA ROSEA (Periwinkle) + 1 ft.

Ornamental free blooming plants, with dark laurel-like foliage and handsome pink and white flowers. Seed should be sown early and then the plants will bloom the first summer. They can be taken up in the fall like Chrysanthemums, potted, and kept in bloom through the winter. Seed germinates slowly.

3580 **White**
3581 **Delicata.** Soft pink.
3582 **White with Eye**
3584 **Pink**

Each of above, pkt., 10c; any 3 pkts. for 25c.

3585 **Rosea Mixed.** Pkt., 10c.



Color Scheme Border of Stocks

Two Combinations

Collection A 71.—One packet each of Dark Blue, Canary Yellow, Light Blue, Brilliant Rose and Flesh, **Ten Weeks Stocks** sufficient to plant "A" arrangement of border diagrammed. Sent postpaid for 40c.

Collection B 71.—One packet each of Mauve, Crimson, Light Blue and two packets of White, **Ten Weeks Stocks** sufficient to plant "B" arrangement of border diagrammed. Sent postpaid for 40c.

ZINNIAS

The most gorgeous annuals with a wonderful range of color. Beautiful old rose, dainty cream, striking red and brilliant yellow flowers of velvety texture, extremely double with long stems and good keeping qualities, make this old-fashioned flower a joy in the garden. The Colossal produce such enormous blooms they appear as greenhouse Chrysanthemums that have mistaken their time and place of flowering. If you plant but one annual, plant this. The plants may be taken up when in full bloom and transplanted without any visible effect.

Elegans Fl. Pl. Double Flowered

☐ 2½ ft.

3701 Alba. White.
3702 Appleblossom; pkt., 10c.
3703 Burnt Orange; pkt., 10c.
3704 Isabellina. A beautiful cream yellow; pkt., 10c.
3705 Golden Yellow
3706 Flesh Color
3707 Rose Shades
3709 Scarlet
3710 Jacqueminot. Blood-red; pkt., 10c.
3711 Violet
3712 Zebra Striped; pkt., 10c.
3713 Lilac
Each of above, except where noted, pkt., 5c; any 3 5c pkts. for 10c.
3714 **Double Good Mixed.** ½ oz., 25c; pkt., 5c.

New Giant Flowered or Colossal 3 ft.

The flowers are of enormous size, thickly set with velvety petals. The plants are healthy, vigorous, branching freely, and make excellent material for groups or cutting.

3715 White
3716 Cream
3717 Buttercup. Deep primrose
3718 Apricot Yellow
3719 Flesh Color
3720 Salmon Shades
3721 Shrimp Pink
3722 Pink Shades
3723 Golden Yellow
3724 Sulphur Yellow
3725 Orange
3726 Scarlet
3727 Violet
3728 Purple
Each of the above, pkt., 10c; any 3 for 25c.

3730 **Savoja.** Extremely large, double globular flowers, whose single petals are turned upward and form little channels. The color is a singular mixture of yellow and red; the external petals begin with a nice dark red, melting gradually to the centre in golden-yellow. This may be best described as salmon-orange. Pkt., 10c.

3735 **Vaughan's Colossal Zinnias, Mixed.** The flowers are gigantic in size and deep and velvety in appearance, exhibiting all the new and interesting colors. ¼ lb., $3.00; oz., $1.00; ¼ oz., 30c; pkt., 10c.

3736 **Double Crested and Curled.** The flowers are large, the petals being twisted and curved into most graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnias. Pkt., 10c.

Liliput Double 12-in.

The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers, hardly exceeding a daisy flower in size. They are very pretty plants; bloom all summer until late in the fall.

3737 Scarlet Gem. Pkt., 10c.
3738 White Gem. Pkt., 10c.
3739 Golden Gem. Pkt., 10c.
3740 Liliput Mixed, all colors. Pkt., 10c.

Pumila Double 18-in.

Extra double flowers, produced on regular dwarf plants.

3741 Snow Ball. Pkt., 10c.

Zinnia—Colossal

PUMILA DOUBLE—Continued

3742 Golden Ball. Pkt., 10c.
3743 Pink Ball. Pkt., 10c.
3744 Fire Ball. Pkt., 10c.
3744a Old Rose. A very pleasing and charming shade. Pkt., 10c.
3745 Pumila Mixed, all colors. Pkt., 10c.
3750 Red Riding Hood. 1 ft. Of compact form and covered the entire season with little button-like, intense scarlet flowers not over an inch across; as a border plant it is highly effective. Pkt., 10c.
3755 Mexicana Hybrida 12 in. Flowers the size of a large daisy, single, semi-double and double, and the colors are in the most unique, pleasing and numerous variations. In it are found shades peculiar to the Marigold, the Gaillardia, and the Chrysanthemum. They are extremely free flowering and pretty. Pkt., 15c.
3760 Mexicana Fl. Pl. 15 in. Double miniature Zinnia, flowers bright golden yellow, fine for edging. This plant deserves wide cultivation. Pkt., 10c.
3765 Mexican Fl. Pl. Double yellow. Pkt., 10c.

WHITLAVIA

3623 **Gloxinioides Blue** ☐ 1 ft. Flowers deep lavender-blue with white throat resembling small Gloxinias. Pkt., 5c.

Viscaria

VIRGINIA STOCK

3612 **Mixed** ☐ 6 in. Sown early these pretty annuals are gay in the period between the spring and summer flowers, their fresh bright colors in edgings and beds producing a charming effect. ¼ lb., 60c; oz., 25c; ½ oz., 15c; pkt., 5c.

VISCARIA

3611 **Mixed** ☐ 1 ft. Very showy and effective garden annual, producing freely throughout the summer large single flowers in red, white and blue shades. Very bright and effective for beds and useful for cutting. pkt., 5c.

WALLFLOWER (Goldlack) ÷ 1½ ft.

Wallflowers should be better known. Their adaptability for pot culture and out-door bedding and the peculiar sweet fragrance of their flowers should win favor. The oriental coloring of the flowers in their rich reds and yellows is very effective. They are easily grown and last long as cut flowers. Not hardy in the northern states, should be wintered in cold frames.

3615 Single Mixed. Pkt., 5c.
3616 Annual Blood-Red. Pkt., 10c.
3617 Annual Golden Gem. Pkt., 10c.
3618 Annual Mixed. Pkt., 10c.
3620 Double Mixed. Pkt., 15c.
3622 Annual Mixed. Pkt., 10c.

WILD FLOWER GARDEN

3775 A mixture of easily grown annuals, for the decoration of children's gardens, prairies, shrubberies, or roadside planting, etc. 1 lb., 85c; ¼ lb., 25c; 1 oz., 10c.

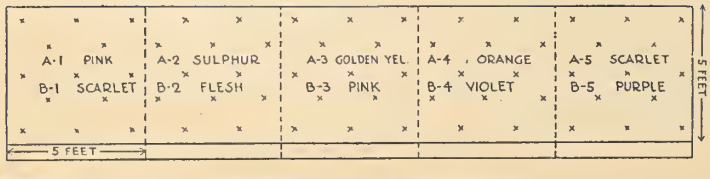
XERANTHEMUM

3766 **Double Mixed** ☐ 2 ft. Bright and pretty "Everlasting" with silvery foliage and silky flowers in pink, white and purple. Pkt., 10c.

ZEA (Rainbow Corn)

3770 **Japonica Quadricolor Perfecta** ☐ 4 ft. This charming grass forms an object of great beauty in mixed beds and borders or isolated in groups on lawns, in subtropical gardens, etc.; it thrives in rich light warm soils. The leaves are striped in yellow, green, rose and dark red. Pkt., 5c.

3771 **Wild Cucumber (Echinocystis Lobata).** This is the quickest growing climber on our list. Grows wild self-sown, in many parts of the west. It is thickly dotted over with pretty, white fragrant flowers, followed by an abundance of ornamental and prickly seed pods. ¼ lb., 75c; 1 oz., 25c; ½ oz., 15c; pkt., 5c.



Color Scheme Border of Colossal Zinnias

Two Combinations

Collection A72. One packet each of Pink, Sulphur, Golden-yellow' Orange and Scarlet **Colossal Zinnias,** sufficient to plant "A" arrangement of border as diagrammed. Sent postpaid for 40c.

Collection B72. One packet each of Scarlet, Flesh, Pink, Violet and Purple **Colossal Zinnias,** sufficient to plant border as diagrammed, using "B" arrangement. Sent postpaid for 40c

MAX LAU COLORTYPE CO., CHICAGO

Vaughan's Cannas

Yellow King Humbert added two years ago was the sensation among Canna planters. It is the largest yellow spotted Canna since we introduced Florence Vaughan. Our importations of Canna novelties began before the Chicago World's Fair, and at that fair and since, at Omaha, Buffalo, St. Louis, San Diego and San Francisco, we were awarded grand medals for our exhibits of these plants.

Enormous brilliant clusters of bloom borne on spikes above broad leaves of green or bronze, in tropical effect, characterize the Canna beds of today. No public park, or garden, private estate or school grounds can do without Canna beds. Our annual effective displays of them at our Greenhouse grounds near Chicago are the surprise and admiration of all visitors.

Vaughan's Cannas
SUPERLATIVE COLLECTION

This short collection comprises the best obtainable leading new Cannas of real merit in both size of flower and clearness of color.

YELLOW KING HUMBERT 4 feet.

An orchid-flowering sport of the well-known variety King Humbert. Has the same habit of growth as its parent; foliage a very dark green, with flowers measuring 5 to 7 inches across; individual petals 3 to 3½ inches in diameter. Color of flower a deep rich yellow, softly spotted and blotched with bright red.

Some plants will occasionally give a scarlet or scarlet striped flower, which we consider an improvement, rather than a defect. Each, **25c**; doz., **$2.00**; 100, **$12.00**.

From 4-inch pots, each, **35c**; doz., **$2.75**; 100, **$18.00**; **by express.**

From 5-inch pots, each, **50c**; doz., **$5.00**.

KING HUMBERT SCARLET FLOWERS, BRONZE LEAVES
GREATEST FAVORITE TODAY

This remarkable "Gold Medal" Canna has been the sensation of the past eight years. It is a cross between the orchid-flowering and the French or Crozy type, combining the best features of both, the large flowers of one with the free blooming character of the other, and the handsome broad, tropical foliage. 4 ft. Each, **25c**; doz., **$2.00**; 100, **$12.00**.

From 4-inch pots, each, **35c**; doz., **$2.75**; 100, **$18.00**; **by express.**
From 5-inch pots, each, **50c**; doz., **$5.00**.

HUNGARIA 3½ feet. **The Best Pink Canna.** Very compact, almost dwarf and of a very luxuriant growth. Leaves bluish green, never burn. Trusses of enormous size borne well above the foliage. Flowers very large, with immense petals. Color purest La France-pink, with satin sheen. Each, **30c**; doz., **$3.00**; 100, **$18.00**.

From 4-inch pots, each, **45c**; doz., **$3.75**.

Eureka. 4 ft. Remarkably free-flowering variety, and with its striking white flowers, which first appear cream, makes a very effective show in conjuction with a good scarlet such as Firebird or King Humbert. A robust grower forming sturdy, shapely plants quickly. Each, **30c**; doz., **$3.00**; 100, **$18.00**.

From 4-inch pots, each, **45c**; doz., **$3.75**; **by express.**

Firebird. The best scarlet green-leaved variety. The flowers are borne in immense trusses, on strong stalks well above the leaves. They are of splendid form, round and shapely. The petals measure and sometimes exceed 2½ inches across; a clear glistening scarlet without any streaks, spots or blotches. We have grown and tested many varieties during the years we have devoted to their culture and have never seen one that can approach it. See illustration on opposite page. Each, **30c**; doz., **$3.00**; 100, **$18.00**.

From 4-inch pots, each, **45c**; doz., **$3.75**; 100, **$22.50**; **by express.**

Gustave Gompper. 3½ to 4 ft. Flowers of great size and substance, in color, a fine golden-yellow, the lower petals being slightly splashed with red. Stiff erect stems and large flower spikes. Each, **25c**; doz., **$2.00**; 100, **$12.00**.

From 4-inch pots, each, **35c**; doz., **$2.75**; 100, **$18.00**; **by express.**

Matador. 4½ ft. Green foliage. Flowers are of the largest size, the petals being very broad and beautifully rounded. The color in rich scarlet marbled cerise very striking. Each, **30c**; doz., **$3.00**; 100, **$18.00**.

From 4-inch pots, each, **45c**; doz., **$3.75**.

Orange Bedder. 4 ft. Green foliage. Bright orange with just enough scarlet suffusion to intensify the dazzling mass of color. A very free bloomer. Each, **30c**; doz., **$3.00**; 100, **$18.00**.

From 4-inch pots, each, **45c**; doz., **$3.75**; 100, **$20.00**; **by express.**

All Canna plants from 2½ inch pots offered on this page at "Each" (or single plant) go prepaid. Larger lots and sizes by express at buyers' expense. To estimate postage on 2½ inch pot plants to different zones, figure on one dozen plants, weighing 3 pounds, packed.

SPECIAL OFFERS

No. 73B. One each of above (8) Cannas from 2½-inch pots for **$2.00, postpaid.**
No. 73C. One each of above (8) Cannas from 4-inch pots for **$2.75, by express.**
No. 73D. One each Yellow King Humbert, King Humbert and Hungaria for **75c, Postpaid.**

Prepayment as noted here means through Fourth Postal Zone.
For prepayment to further zones, add 15 cents per doz. 2½ inch plants.

SUITABLE PLANTS FOR BORDERS OF CANNA BEDS

Use those marked **(a)** with green-leaved Cannas; **(b)** with red-leaved.

(a) Salvias, Fireball and Globe of Fire. Plant 15 inches apart. **(b)** Caladium Esculentum. Plant 18 inches apart. **(b)** Centaurea Gymnocarpa. Plant 8 inches apart. **(a)** and **(b)** Pennisetum Rueppelianum. Plant 8 inches apart.

Canna Firebird

New Canna

Triomphe. (This is not the same variety that is being offered by some Eastern firms). 3½ to 4 ft. Bronze foliage; color poppy red; very brilliant flowers are borne in immense trusses on strong stalks well above the foliage; petals measuring from 2 to 2½ inches across. Plant is very vigorous. Each, **$1.50**; doz., **$15.00**.

Vaughan's Choice Collection

A most distinct and interesting collection of Cannas, both rare and effective. Be careful in ordering and planting Cannas to note height of growth, so that, when in groups, tall ones are at back, smaller at front, or that kinds of about one height are planted together.

American Beauty. 5 ft.; color velvety oriental carmine; very rich and unusually attractive with its large flowers held on firm straight stems in large trusses well above the foliage. Strong vigorous grower. Each, **75c**; doz., **$7.50**.

Aigle. 4 ft. Green foliage, with bronze margin. The flowers are large and round, of a clear bright crimson-scarlet, no other markings; erect spikes. Each, **30c**; doz., **$3.00**; 100, **$18.00**.

From 4-inch pots, each, **45c**; doz., **$3.75**.

Brightness. 4 ft. Color deep shade of carmine-rose particularly pleasing and unique; size of both trusses and flowers enormous with the advantage that it fits nicely in the truss. Each, **75c**; doz., **$7.50**.

City of Portland. 3½ ft. Distinct among the several really worth while pink Cannas. A deep pink which does not fade during the hot weather. A free-bloomer, with flowers borne well above the foliage. Each, **30c**; doz., **$3.00**; 100, **$18.00**.

From 4-inch pots, each, **45c**; doz., **$3.75**.

Jane Addams. 4½ ft. Green foliage. Buttercup-yellow with blotches of red in the throat; a clean vigorous grower and very free-bloomer. Each, **30c**; doz., **$3.00**; 100, **$18.00**.

From 4-inch pots, each **45c**; doz., **$3.75**.

Mrs Alfred Conard. 4 ft. Green foliage. Flowers salmon-pink of large size on finely shaped flower heads. Each, **30c**; doz., **$3.00**; 100, **$18.00**.

From 4-inch pots, each, **45c**; doz., **$3.75**.

Peley. 18 to 24 inches. Green foliage. This is the dwarfest canna we know of. Color vermilion-red, edges of petals a golden-yellow. Free continuous bloomer. Each, **25c**; doz., **$2.00**.

From 4-inch pots, each, **35c**; doz., **$2.75**; 100, **$18.00**.

Pink Delight. 3½ ft. Soft shell pink with darker shade at base of petals. Flowers large with rounded petals; large trusses carried well above the foliage. Strong compact grower. Each, **30c**; doz., **$2.75**; 100, **$18.00**.

From 4-inch pots, each, **45c**; doz., **$3.75**.

Rosea Gigantea. 3 to 4 ft. A magnificent showy Canna of a rose to carmine-pink shade. Flower heads of immense size. Each, **30c**; doz., **$3.00**; 100, **$18.00**.

From 4-inch pots, each, **45c**; doz., **$3.75**.

The President. 4 ft. In color a rich glowing scarlet and the immense rounded flowers, seven inches across when fully open are produced on strong erect stalks well above the large green foliage. Free bloomer and strong grower. Each, **30c**; doz., **$3.00**.

From 4-inch pots, each, **45c**; doz., **$3.75**.

SPECIAL OFFERS

No. 73. One each of the above (10) Cannas, postpaid, from 2½ inch for **$3.00**.
No. 73A. One each of the above (10) Cannas from 4 inch pots for **$4.00, (exp.)**

Canna Yellow King Humbert

Vaughan's Cannas

CANNA BEDS

PLANTING SUGGESTIONS

Before laying out a Canna bed, spade the ground two feet deep, mixing thoroughly into the soil enough well rotted stable manure to fill six inches in depth of the whole bed. When ready place a stake in center of the bed and with a radius of eighteen inches mark a line for planting the first row. Set the plants in this row eighteen inches apart. Lengthen the radius eighteen inches for each successive row; plants other than Cannas require different distances. All numbers below represent round beds.

Planting plans will be furnished with each Canna bed ordered.

Culture.—Cannas should be planted about the end of May in good garden soil that has been thoroughly enriched with well rotted stable manure. Water sparingly for first two weeks after planting. When growing freely, water liberally. Set the plants about 18 inches apart each way, and if more than one kind is used, be careful to plant the taller growing kinds in the center and the dwarf ones along the edge. This applies to planting in beds or borders.

TWO SIZES OFFERED. Prices given first below are for regular FIRST SIZE plants from 2½-inch pots. The next size larger plants are noted as FROM 4-INCH POTS. When not so offered, 2½-inch plants are sent.

The large size from 4-inch will be ready May 15, and will bloom soon.

CANNA BED No. 1—10 ft. across, 37 plants.

7 Crimson Bedder. (For center and first row.)
12 David Harum. (Second row.)
18 Gustave Gompper. (3rd or outside row.)

		Prepaid	By express
No. 1A.	Price, 37 plants, first size, from 2½-inch pots	$ 8.00	$ 7.50
No. 1B.	Price, 37 large plants, from 4-inch pots	11.00	10.00

CANNA BED No. 2—13 feet across, 61 plants.

19 Florence Vaughan. (For center and next two rows.)
18 David Harum. (Third row.)
24 Niagara. (Fourth or outside row.)

No. 2A.	Price, 61 plants, first size, from 2½-inch pots	$10.50	$10.00
No. 2B.	Price, 61 large plants, from 4-inch pots	13.00	11.50

CANNA BED No. 3—7 feet across, 19 plants.

1 Yellow King Humbert. (For center.)
6 King Humbert. (First row.)
12 The President. (Second or outside row.)

No. 3A.	Price, 19 plants, first size, from 2½-inch pots	$4.75	$4.25
No. 3B.	Price, 19 large plants from 4-inch pots	6.75	5.75

CANNA BED No. 4. 10 ft. across, 37 plants.

19 Yellow King Humbert. (For center, first and second rows.)
18 King Humbert. (Third or outside row.)

No. 4A.	Price, 37 plants, first size, from 2½-inch pots	$ 9.00	$ 8.00
No. 4B.	Price, 37 large plants from 4-inch pots	12.00	11.00

CANNA BED No. 5. 7 ft. across, 19 plants.

1 Florence Vaughan. (For center.)
6 David Harum. (Second row.)
12 Souv. de A. Crozy. (Third or outside row.)

No. 5A.	Price, 19 plants, first size, from 2½-inch pots	$3.50	$3.00
No. 5B.	Price, 19 large plants from 4-inch pots	5.25	4.50

CANNA BEDS

IN SOLID COLOR, (not Prepaid).	7-ft. Bed 19 Plants	10-ft. Bed 37 Plants	13-ft. Bed 61 Plants
The President, First size	$4.00	$6.75	$11.00
The President, Large size	5.25	7.50	15.75
Yellow King Humbert, First size	3.50	5.60	9.25
Yellow King Humbert, Large size	5.75	7.50	12.25
King Humbert, First size	2.75	5.50	7.50
King Humbert, Large size	4.00	6.75	11.00
Hungaria, First size	4.00	6.75	11.00
Hungaria, Large size	5.25	7.50	15.75
Gustave Gompper, First size	3.50	5.60	9.25
Gustave Gompper, Large size	5.75	7.50	12.25

All Canna plants from two and one-half inch pots offered on this page at "Each" (or single plant) price go prepaid. Larger lots and sizes by express at buyer's expense--except where quoted at special "prepaid" price in opposite column. To estimate postage on two and one-half inch pot plants to different zones, figure on one dozen plants weighing 3 pounds, packed.

STANDARD CANNAS OF LONG-ESTABLISHED MERIT

For prices of Cannas in this section see lower right-hand column

Bronze-Leaved Varieties

David Harum. 3½ ft. Dark bronze foliage. Strong grower and one of the freest blooming Cannas we have ever seen.
King of Bronze. 5 to 6 ft. Deep bronze foliage, with small red flowers. Fine for foliage effect.

Pink and White Shades, Green Foliage

Mlle Berat. 5 ft. Green foliage. A shade of rose-carmine. The petals are long.
Venus. 3½ ft. A soft rosy pink with a pretty mottled border of creamy-yellow.
(For other good pinks see **Hungaria, Mrs. A. Conard, City of Portland, Rose Gigantea and Mrs. Woodrow Wilson** on opposite page.)

Crimson and Scarlet Shades, Green Foliage

Beaute Poitevine. 3½ ft. Largest and best crimson.
Crimson Bedder. 3½ ft. Dazzling crimson scarlet well displayed above the foliage. Without exception one of the most conspicuous red bedding Cannas.
Chas. Henderson. 4 ft. Crimson flowers. Good bedder. Roots winter well.
Julius Koch. 3 ft. Foliage dark green. Flowers composed of four broad, well rounded, large petals of the most brilliant blood-red.
Meteor. 4 ft. Immense brilliant crimson heads of large round-petaled flowers.
Milwaukee. 3½ to 4 ft. A splendid sort with rich deep maroon flowers of great substance. We find it the darkest of all Cannas.
Prince Wied. 3 ft. Foliage dark green. Flowers of extra size, borne in massive clusters and of a fiery velvety blood-red. One of the best dwarf red Cannas.
The Express. 2½ ft. Bright scarlet crimson. Large broad flowers in immense trusses. This is the best dwarf red Canna.

Yellow and Yellow-Edged Varieties

Florence Vaughan. 5 ft. The most famous yellow Canna. Introduced by us in 1892, it still remains indispensable in its class.
Dwarf Florence Vaughan. 3½ ft. Identical with Florence Vaughan, but one-third shorter, never exceeding 3½ ft. Color, golden-yellow, thickly dotted red.
Mad. Crozy. 4 ft. Vermilion-red, with golden-yellow border.
Marvel. 4 ft. Orange, with deeper shade in center.
Niagara. Height, 3 ft. Green foliage. Great handsome trusses; broad, thick durable petals. Color rich deep crimson with a wide irregular border of deep golden yellow.
Queen Charlotte. 4 ft. Rich orange-scarlet with a broad gilt edge.
Richard Wallace. 5 ft. A tall growing, wide flowered, heavy trussed canary-yellow. The largest and best of its color. Bleaches very little.
Souv. de A. Crozy. 4 ft. The flowers are scarlet-crimson bordered yellow.
Stella. 4 ft. Golden orange flowers.

Orchid-Flowering Varieties

King Humbert—(See opposite page).
Louisiana. 6 ft. Very large beautiful vivid scarlet orchid-like flowers, often measuring 5 to 6 in. across. Foliage a glossy green.
Uncle Sam. 5 to 6 ft. Deep rich fiery red, of marvelous beauty.
Wintzers Colossal. 5 ft. Green foliage. A striking vivid scarlet that retains its brilliancy. One of the largest flowering of all, producing immense trusses.
Wyoming. Bronze foliage. Flowers a beautiful shade of orange.
Yellow King Humbert—(See opposite page).

PRICES OF STANDARD CANNAS—THIS SECTION.

(Except where noted)	Each	3 for	Doz.	100
First Size, 2½-in. pot plants, prepaid	$0.25	$0.65		
First Size, 2½-in. pot plants, not prepaid.			$2.00	$12.00
Large Size, 4-in. pot plants, by express	.35	.85	2.75	18.00

Our **First** or **Mail Order Size** are best for distant points; the larger plants by Exp., quick bloomers, are best for buyers within 250 miles of New York or Chicago.

Vaughan's Gladiolus Novelties of 1922-23

Kalamazoo

GLADIOLI are the most attractive and useful for cut flowers of all the summer flowering bulbs. They give you giant spikes of perfect blooms with wonderful colors in fascinating profusion. The colorings often change as each flower and spike opens fully.

We grow over one hundred acres of these bulbs and harvest many hundreds of thousands, developing every year scores of new Hybrid Seedlings which surprise even our own trained men with their new types and giant blooms in novel colors.

The long graceful spikes carrying often twenty buds may be cut as the first lower flower opens. Placed in water each successive bud develops a perfect flower.

Plantings each ten days from April to mid June will provide flowers from August to October. Planting directions given free on request.

Parcel Post 12 bulbs weigh 1 lb.; 100 bulbs 6 lbs. Add postage at zone rates. All prices on this page include prepayment through 5th zone. For further points add 5 cents per dozen.

*Sovereign (2099). The talk of the Kalamazoo Gladiolus Show, 1922. Blossom a violet purple with a very light mark in the center of the lower petal. The flower is large, the petals full and rounding and well opened up, the stalk is tall, strong and vigorous with heavy green foliage and the flowers well placed. Season medium to late Each. $3.00; doz., $30.00.

*Kalamazoo (1066). Purple violet with lines of creamy white running through each petal to the edge of the flower and throat of creamy white. Flowers large, compact and well placed on a very strong spike. Each, $2.00; doz., $20.00.

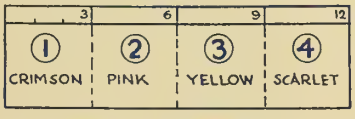
*Vaughan's White. This splendid white, the best we have seen, is earlier and larger than Europa and as prolific as America. The bulblets germinate well. It is a thrifty and vigorous grower with a medium stalk and many well-placed flowers open at once. Flower is a good, clear white with no throat markings. Price, prepaid, each, $1.50; per doz., $15.00.

Vaughan's White—1922 Introduction

*Shiawassee (177). This seedling showed up so well in our trial grounds and being very prolific we marked same worth naming. Color, very fine pink, prolific and strong grower. Holds open many well placed flowers at one time. Buds are handsome and admired and popular with florists because of its early blooming qualities. Each, 50c; doz., $5.00.

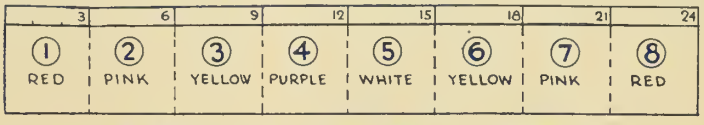
*Mary Alice White (2022). Color, rose pink, the throat marking of a lavender mauve, a light streak running through the center of each petal, anthers lavender, flowers large, well open with petals slightly reflex. The stalk is very tall, strong and straight. Flowers well placed and 6 to 8 open at one time. Each, $1.50; doz., $15.00.

Vaughan's Color Scheme Borders of Gladioli



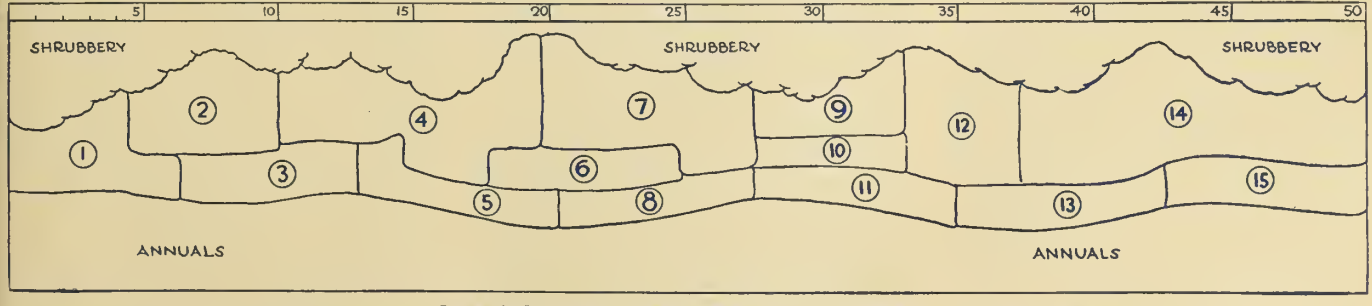
Special Offer 751—$4.00, Prepaid

One hundred blooming-size bulbs, sufficient to plant the above border, 3x12 feet, will be sent prepaid for $4.00. Four distinct named varieties of our selection will be given, twenty-five bulbs each, of the colors shown in the border plan, viz.: 1, 25 crimson; 2, 25 pink; 3, 25 yellow, and 4, 25 scarlet.



Special Offer 752—$8.00, Prepaid

Two hundred blooming-size bulbs, sufficient to plant the above border, 3x24 feet, will be sent prepaid for $8.00. Eight distinct named varieties of our selection will be given, twenty-five bulbs each, of the colors shown in the border plan, viz.: 1, 25 red; 2, 25 pink; 3, 25 yellow; 4, 25 purple; 5, 25 white; 6, 25 yellow; 7, 25 pink; 8, 25 red.



Special Offer 753—$40.00, Prepaid

Four hundred and fifty bulbs of the following fifteen named varieties, sufficient to plant the above border, will be sent prepaid for $40.00.

Location No.	Variety used	Color	No. of Bulbs
1	Gov. Hanley	Red	25
2	Chicago Salmon	Pink	25
3	Schwaben	Yellow	25
4	Mrs. Pendleton	Pink	50
5	L'Immaculee	White	25
6	Baron Hulot, Med.	Purple	25
7	Ruffled Glory	Pink	50
8	Panama	Pink	25
9	Chicago Red	Red	25
10	Hyde Park	White	25
11	Jessie	Red	25
12	Klondyke	Yellow	25
13	Pink Perfection	Pink	25
14	Evelyn Kirkland	Pink	50
15	Niagara	Yellow	25
			450

VAUGHAN'S GLADIOLI

Detroit

RED SHADES

AMARYLLIS. Blood-red flower, giant size. Each, 25c; doz., $2.75; 100, $18.00.

ATTRACTION. Deep crimson, with large white center. Each, 10c; doz., 90c; 100, $6.00.

BLACK PANSY. Rich, dark red Pansy-like throat. Each, 15c; doz., $1.50; 100, $10.00.

CANICULE. Clear, scarlet red, creamy-white blotch. Each, 50c; doz., $5.00.

***CHAS. L. HUTCHINSON.** The color of the flowers is a rich blood-red, the middle rib of each petal being a shade deeper with a velvety lustre. Free-flowering. Each, $1.00; doz., $10.00.

***CHICAGO RED.** Brilliant scarlet, large, opens well. Each, 10c; doz., 90c; 100, $6.00.

CRACKER JACK. Dark red throat, spotted yellow maroon. Each, 10c; doz., 90c; 100, $6.00.

CRESCENT QUEEN. Very large, dark wine red. Each, 25c; doz., $2.50.

DAZZLER. Magnificent large Princeps-like flowers of vivid salmon-scarlet, with throat blotch of red-orange on lower petals, further ornamented with carmine-lake flakes; fine, long spikes, well filled. Each, $1.00; doz., $10.00.

DREAM. Large, massive bloom. Deep salmon-red. Large, very showy blotches. Each, 50c; doz., $5.00.

EARLY BLACK. Early, tall, slender spike. Deep ruby-red, flaked deeper. White mottled throat. Each, 25c; doz., $2.50.

EMPRESS OF INDIA. Rich dark maroon. Each, 12c; doz., $1.25; 100, $8.00.

FIRE KING. Long, graceful spikes, showing half a dozen immense blooms open at one time. Color, intense fire-scarlet. More brilliant than Brenchleyensis. Each, 10c; doz., 90c; 100, $6.00.

GLORY OF BRIGHTWOOD. Scarlet, lemon throat. Each, 10c; doz., $1.00; 100, $7.00.

NOVELTIES—Continued.

***The Detroit.** A giant flower with orchid colorings. Fully developed flowers measure 5 inches across. The color is a light pink with deeper pencilings of light crimson on the inside and outside of the upper petals, and with carmine splashes overlaying sulphur on the center third of the lower petals. The flower spike is long with 13 flowers to the spike. Price, each prepaid, 50c; doz., $5.00.

***Primulinus "Sunbeam."** This variety, which we introduced in 1914 is a cross of select yellows from the Primulinus Mixture, with the variety Sulphur King. The graceful form of the Primulinus type insures its popularity in the Decorative Class. Color, clear yellow, long slender spike. Price, prepaid, each, 15c; doz., $1.50; per 100, $10; not postpaid.

***Martha Washington.** Flowers light red, but with dark, almost black blotches on the three lower petals. They set evenly and regularly on the stalk, which usually contains about 13 to 15 flowers, with 5 or 6 open at a time. Price, each, prepaid, 35c; doz., $3.50.

***Pontiac—Princeps.** Giant Seedling of Princeps. Considerably lighter red. Very large flower with Princeps throat markings. Petals slightly striped with deep vermilion stalk as strong as Schwaben and a taller grower than King. Price, prepaid, each, 35c; doz., $3.50.

***Mrs. H. A. Caesar.** This is a cross of America with Sunbeam. Its habit of growth is more robust than America and with same flowering season. The length of spike is about the same, but it produces more buds, frequently showing five to eight open flowers, well placed on the spike. The color is a beautiful lavender shading to lilac with a yellow dash in the lower petals. Price, prepaid, each, 75c; doz., $7.50.

RED SHADES—Continued.

GORGEOUS. Vivid scarlet, with large, silvery white throat blotch on three lower petals. Each, 20c; doz., $2.00; 100, $15.00.

GOV. HANLY. Rich cardinal red. Each, 15c; doz., $1.50; 100, $10.00.

HALLEY. Delicate salmon-pink, with a slight roseate tinge, the lower petals bear a creamy blotch with a stripe of bright red through the center. Each, 10c; doz., 90c; 100, $6.00.

HILO. Fiery orange vermilion, flaked deeper. Snowy white throat. Fine. Each, 25c; doz., $2.50.

JEAN BART. Bright crimson-red, ivory white blotch. Each, 20c; doz., $2.00; 100, $15.00.

***JESSIE.** Rich, velvety red. Each, 20c; doz., $2.00; 100, $15.00.

JOE COLEMAN. Large, rich red. Each, 20c; doz., $2.00; 100, $15.00.

JOUBERT. Salmony rose, blood-red blotch. Each, 50c; doz., $5.00.

LUSTRE. Dark orange vermilion. Each, 25c; doz., $2.50; 100, $18.00.

LUTIN. Cherry-red, with deep crimson blotch. Each, 25c; doz., $2.50; 100, $18.00.

***MARGARET.** A brilliant carmine, with a large white blotch on the lower petals, the white and carmine blending into a violet tint. The spike is straight. Each, 20c; doz., $2.00; 100, $15.00.

MARTINIQUE. Dark violet-red, pale yellow blotch. Each, 50c; doz., $5.00.

***MARY BLACKMAN.** Flowers salmony-red; feathered and penciled with carmine. Each, 35c; doz., $3.50; 100, $25.00.

MEPHISTO. Coppery scarlet. Each, 35c; doz., $3.50; 100, $25.00.

MERCEDES. Carmine-rose and pale rosy-white; with a very effective red blotch on lower petals. Each, 35c; doz., $3.50; 100, $25.00.

Martha Washington

RED SHADES—Continued.

***MRS. FRANCIS KING.** Brilliant vermilion-scarlet. Most popular and effective variety for all occasions. Large size. Each, 7c; doz., 60c; 100, $4.50. Medium size. Each, 4c; doz., 45c; 100, $3.00.

MRS. W. E. FRYER. New, bright scarlet. Each, 25c; doz., $2.50; 100, $18.00.

MRS. WATT. Glowing American Beauty shade of red. Each, 10c; doz., $1.00; 100, $7.00.

NEGERFURST. One of the most brilliant reds. Each, 50c; doz., $5.00.

NEZINSCOTT. Bright blood-scarlet, with deep velvety crimson-black blotch and white mottlings, medium size. Each, 15c; doz., $1.50; 100, $10.00.

***OVID.** Coppery scarlet. Very fine. Each, 25c; doz., $2.50; 100, $18.00.

PHLEGETON. Dazzling scarlet-red, violet-red blotch. Each, $1.00; doz., $10.00.

PRIDE OF HILLEGOM. Red. Each, 40c; doz., $4.00.

***PRINCEPS.** Brilliant scarlet-crimson, carrying mostly three white blotches on lower petals. Each, 15c; doz., $1.50; 100, $10.00.

PRINCEPINE. Beautiful red with large white blotch. Each, 10c; doz., 90c; 100, $6.00.

PROCERPINE. Wine red, very striking color. Each, 25c; doz., $2.50.

RUBY KING. Intense dark, ruby-red. Each, 10c; doz., 90c; 100, $6.00.

SCARLANO. Light, bright orange-red. Fine spike and flower, finely ruffled. Each, 50c; doz., $5.00.

SCARLET GLORY. Ruffled, fine red. Each, 25c; doz., $2.50; 100, $18.00.

TOKIO. Flowers very large, cherry-red, suffused with carmine red and a conspicuous pure white blotch on the lower sepals. Each, 40c; doz., $4.00.

WAR. Deep blood-red, shaded crimson-black. A leader among the large reds. Each, 15c; doz., $1.50; 100, $10.00.

VAUGHAN'S GLADIOLI

L'IMMACULEE

RUFFLED GLORY

SHIAWASSEE

PINK SHADES

ALCAZAR. Rose color, amaranth red blotch. Each, 50c; doz., $5.00.

AMERICA. Soft lavender pink. Large bulbs. Each, 7c; doz., 60c; 100, $4.00. Medium bulbs. All good bloomers. Each, 4c; doz., 45c; 100, $3.00.

ARIZONA ROSE. Pink, dark throat. Each, 15c; doz., $1.50; 100, $10.00.

BYRON L. SMITH. Beautiful lavender pink on white ground, an orchid shade. Each, 50c; doz., $5.00.

CASSILDA. Salmony-rose, carmine-red blotch. Each, 75c; doz., $7.50.

CHARMER. Soft mauve-pink, blending off lighter in the throat which is penciled carmine-lake with a large blotch of same color on lower petals. Each, 20c; doz., $2.00; 100, $15.00.

*CHICAGO SALMON. Clear salmon with carmine. Each, 15c; doz., $1.50; 100, $10.00.

CYNOSURE. Deep rose-pink. Each, 10c; doz., $1.00; 100, $7.00.

DAWN. Salmon shading to claret stain in throat. Each, 25c; doz., $2.50.

EARLY PENDLETON. Almost like "Mrs. Frank Pendleton." Much earlier and more blossoms open at a time. Gracefully placed flowers on a graceful spike. A fine seedling of "Pendleton." Each, 25c; doz., $2.50.

EVELYN KIRTLAND. A beautiful shade of rosy pink, darker at the edges, fading to shell-pink at the center, with brilliant scarlet blotches on lower petals; the entire flower showing a glistening, sparkling lustre. Very tall spike. Each, 15c; doz., $1.50; 100, $10.00.

E. J. SHAYLOR. Tall, beautiful, pure deep rose-pink. Each, 40c; doz., $4.00.

FASCINATOR. Splendid, large flowers of salmony-pink, tinted with flakes of carmine, throat blush with carmine-lake pencilings; long spike, graceful. Each, 20c; doz., $2.00; 100, $15.00.

GRETCHEN ZANG. Pink, blending into scarlet on lower petals. Each, 12c; doz., $1.25; 100, $8.00.

KILIMA. Tall, slender plant. Beautiful creamy salmon-blush. Very elegant. Each, 25c; doz., $2.50.

KOENIGIN WILHELMINA. Clear salmon-pink, cherry-red blotch, edged white. Each, 25c; doz., $2.50.

LE MARCHAL FOCH. Rose-pink, resembling America in color but deeper. Blooms same time as the Halley. Each, 20c; doz., $2.00; 100, $15.00.

LITTLE DIAMOND. Rich salmon-pink, flaked deeper salmon, with beautifully flaked and penciled throat. Each, 20c; doz., $2.00; 100, $18.00.

MADAME MONNERET. Delicate rose. Each, 10c; doz., 75c; 100, $5.00.

MAGENTA (1918). A beautiful, large flower near "American Beauty" rose color. Each, 35c; doz., $3.50.

MONA LISA. Ruffled, palest soft rose pink. Each, 40c; doz., $4.00.

MRS. F. M. LUPTON. A distinct light rose. Large well-spreading flower and long, perfect spike. Each, 35c; doz., $3.50.

MRS. FRANK PENDLETON. Flushed salmon-pink, with rich maroon blotch on the three lower petals. The most poplar flower in florists' shops. Each, 10c; doz., 90c; 100, $6.00.

MYRTLE. Tender and delicate rose-pink. "The most beautiful pink yet produced in Gladiolus." Each, 15c; doz., $1.50, 100, $10.00.

MYSTIC. Very early, pink. Each, 20c; doz., $2.00; 100, $15.00.

*NEUTRALITY. An "America" seedling. Larger plant and flower. Purer pink and showier, better form. Extra. Each, 25c; doz., $2.50.

PANAMA. An improved America, largest and most notable spike of bloom among all pink sorts. Each, 10c; doz., 90c; 100, $6.00.

PINK LILY. Ruffled, delicate pink. Each, 40c; doz., $4.00.

PINK PERFECTION. Delicate apple-blossom pink. Each, 15c; doz., $1.50; 100, $10.00.

PRIDE OF GOSHEN. Ruffled, salmon-pink. Each, 15c; doz., $1.50; 100, $10.00.

PRINCE OF WALES. The flowers are large and well placed and the color is a most charming coral-pink. It is a sport of "Halley," but larger and of taller growth and also somewhat earlier. The delicate tint is practically without throat markings. Each, 15c; doz., $1.50; 100, $10.00.

ROSE GLORY. Ruffled, rose-pink. Each, 50c; doz., $5.00.

RUFFLED GLORY. Salmon-pink, with crimson stripe in the center of each lower petal. The broadly expanded, wide open flowers are carried on straight, stout 3½ feet stalks. Each petal is exquisitely ruffled. Each, 10c; doz., $1.00; 100, $7.00.

SCRIBE. Tender rose, tinted white, striped carmine. Each, 10c; doz., $1.00; 100, $7.00.

SOPHOCLES. Salmon, large, showy flower. Each, 35c; doz., $3.50.

UNIQUE. Tall, large, finest salmon-pink. Each, 25c; doz., $2.50.

WILBRINK. Sport of Halley. It retains the earliness of that variety, but has a delicate pale pink color, somewhat similar to "America." Each, 12c; doz., $1.25; 100, $8.00.

WINSOME. Great round flowers of exquisite blush, shot and shaded with carmine-pink. A conspicuous throat blotch of crimson-lake. Each, 25c; doz., $2.50.

*** This mark indicates introduced by Vaughan's Seed Store**

VAUGHAN'S GLADIOLI

CRACKERJACK

GRETCHEN ZANG

MARGARET

HALLEY

WHITE VARIETIES

AUGUSTA. Pure white, blue anthers. Large bulbs. Each, 10c; doz., $1.00; 100, $6.50. Medium bulbs. All good bloomers.

BERTRAX. Pure white flowers of good substance. Each, 15c; doz., $1.60; 100, $12.00.

*__CHICAGO WHITE.__ White, lavender markings in throat. Each, 10c; doz., 75c; 100, $5.00.

CRYSTAL WHITE. One of the few pure whites. Each, 10c; doz., $1.00; 100, $6.50.

EUROPA. A large, pure white, much substance, will crowd out all other whites. Each, 25c; doz., $2.75; 100, $18.00.

*__GIANT WHITE.__ A very large flower, ruffled. Each, 20c; doz., $2.00; 100, $15.00.

GLORY OF HOLLAND. Pure white. Each, 10c; doz., $1.00; 100, $7.00.

*__HYDE PARK.__ Frosty, sparkling white, penciled and feathered with light and dark rose, but the lower petals are much more distinctly blotched with cream. Each, 12c; doz., $1.25; 100, $8.00.

JANE DIEULAFOY. Creamy white, lower petals, stained maroon. Each, 25c; doz., $2.75; 100, $18.00.

L'IMMACULEE. Pure white. Each, 15c; doz., $1.50; 100, $10.00.

LILYWHITE. Very good early white. Each, 25c; doz., $2.75; 100, $18.00.

LOVELINESS. Cream pink. Many flowers open at the same time, very large, broad and showy spike. Each, 20c; doz., $2.00; 100, $15.00.

MARY PICKFORD. Creamy white throat, soft sulphur-yellow. Each, 35c; doz., $3.50; 100, $25.00.

MARIE THERESE. White, with a few rosy stripes, strong. Each, 20c; doz., $2.00; 100, $15.00.

MEADOWVALE. Early white. Each, 25c; doz., $2.75; 100, $18.00.

MORNING STAR. White, with crimson throat. Each, 10c; doz., $1.00; 100, $6.50.

*__MRS. W. S. BREWSTER.__ White overlaid blush; blotched brilliant red, with a creamy halo. Each, 50c; doz., $5.00.

WHITE VARIETIES—Continued

MRS. A. E. KUNDERD. Large flowered, tall, superbly formed white, with slight tint of blush-pink. A truly magnificent white. Each, 20c; doz., $2.00; 100, $15.00.

MRS. DR. NORTON. Pure, soft white, with tips of petals suffused LaFrance Pink. Wonderful variety. Each, 50c; doz., $5.00.

PEACE. Very large, nearly white, with pale violet feathering on lower petals; flowers correctly placed on a tall, graceful spike. Each, 10c; doz., 90c; 100, $6.00.

SHAKESPEARE. Blush white, with large, rosy blotch. Each, 10c; doz., 90c; 100, $6.00.

SILVERETTA. Blush white, with carmine blotch. Each, 25c; doz., $2.75; 100, $18.00.

SILVER LACE. Another very fine "America" seedling. A most beautiful soft-tinted blush, almost white. Silvery plush, or frosted silver finish. Each, 35c; doz., $3.50; 100, $25.00.

WHITE BELLE. Tall, strong. Delicate blush-white, deeper at edges. Beautiful throat. Each, 35c, doz., $3.50; 100, $25.00.

WHITE GLORY. Ruffled, pure white, blue throat. Each, 35c; doz., $3.50; 100, $25.00.

Hybridizing Gladioli to breed new varieties on our Michigan farms.

WHITE VARIETIES—Continued

WHITE KING. Very rich sulphur-white, splendidly ruffled, and nicely marked on lower petals. Each, 12c; doz., $1.25; 100, $8.00.

WHITE LADY. Also known as Rochester White. Each, 35c; doz., $3.50; 100, $25.00.

WILLY WIGMAN. Creamy white, scarlet blotch. Each, 12c; doz., $1.25; 100, $8.00.

YELLOW SHADES

AUTUMN QUEEN. Color, cream yellow suffused with pink, with carmine stripe. Each, 10c; doz., $1.00; 100, $7.00.

CANARY QUEEN. Very refined sulphur yellow. Many fine, good-size flowers open at a time. Each, 30c; doz., $3.00; 100, $20.00.

FLORA. Beautiful canary yellow, with scarcely any markings. Considered the best yellow. Each, 20c; doz., $2.00; 100, $15.00.

GOLDEN KING. Yellow, crimson blotch in throat. Each, 12c; doz., $1.25; 100, $8.00.

GOLDEN MEASURE. Very large, dark golden yellow; the best in the yellows. Each, $1.50 doz., $15.00.

GOLD THROAT. A large, fine, pure yellow throat on a splendid, deep, bright blood-red ground. Each, 25c; doz., $2.75; 100, $20.00.

KLONDYKE. Light yellow, with crimson. Each, 10c; doz., 90c; 100, $6.00.

NIAGARA. A delightful cream shade, blending to canary-yellow, splashed with carmine. 10c; doz., $1.00; 100, $6.50.

ORANGE GLORY. Bright orange, with slight purple and white markings in throat. Each, 30c; doz., $3.00; 100, $20.00.

OWOSSO. Straw-yellow, deeper yellow on lower petals. Each, 20c; doz., $2.00; 100, $15.00.

SCHWABEN. Clear canary-yellow, shading to soft sulphur. Largest flower stalk and leaves of all. Planted 7 or 8 inches apart in rich soil produces wonderful blooms. Each, 10c; doz., $1.00; 100, $6.50.

SULPHUR KING. Clear sulphur yellow. Each, 15c; doz., $1.60; 100, $12.00.

YELLOW HAMMER. Yellow, red mark in throat. Each, 10c; doz., $1.00; 100, $7.00.

*This mark indicates introduced by Vaughan's Seed Store

The single and dozen price above, include free parcel post delivery through 5th zone. For prepayment to further zones add 5c per dozen.

VAUGHAN'S GLADIOLI

SILVERETTA

MRS. H. A. CAESAR

CHAS. L. HUTCHINSON

BLUE SHADES

ANNA EBERIUS. Dark velvety purple, throat deeper. Each, 25c; doz., $2.75; 100, $18.00.

BARON J. HULOT. The leading purple variety. Each, 10c; doz., $1.00; 100, $7.00.

CHARLES BERTIER. Large flowers, light lilac suffused with a darker lilac on the edges; white blotch on lower petals. Each, 50c; doz., $5.00.

DESDEMONE. Ashy-rose striped lilac; large dark red blotch, edged ivory-white. Immense spike of very large double-row flowers, well placed. Each, 30c; doz., $3.00; 100, $20.00.

FLORENCE. Bright lilac, white blotch on lower petals. Notably tall spike with many flowers; the best lilac. Each, 35c; doz., $3.50; 100, $25.00.

HERADA. Blooms of immense size on tall, straight spikes. The large blooms are pure mauve, glistening and clear, with deeper markings in throat. Each, 15c; doz., $1.50; 100, $10.00.

LOUISE. Beautiful lavender. Each, 40c; doz., $4.00.

MARY FENNELL. Deep lilac, shading paler. Soft primrose yellow throat. Each 20c; doz., $2.00; 100, $15.00.

MENTOR. Slate color, with a rosy hue, red blotch on white ground. Each, 40c; doz., $4.00.

PURPLE GLORY. Ruffled, velvety maroon-red, black blotches. Each, $1.50; doz., $15.00.

PURPLE SPOT. Violet-red. Each, 35c; doz., $3.50; 100, $25.00.

West Bend, Ia.

Your dollar special collection of last year was the most beautiful mixture I ever saw, from white to deep purple, with huge flowers. Mine bloomed from June 20th to August 15th, and were the wonder of the neighborhood.

MRS. R. E. TINSLEY.

BLUE SHADES—Continued.

REV. EWBANK. A beautiful light lavender. Each, 40c; doz., $4.00.

ROSS VALLEY. Mouse color, very odd shade. Each, 25c; doz., $2.75; 100, $18.00.

SPHINX. Lilac-red flowers, purple-red blotch. Each, 75c; doz., $7.50.

VIOLA. A very large Lemoine type flower of exquisite mauve-blue, gradually shading to rich violet. Each, 30c; doz., $3.00; 100, $20.00.

PRIMULINUS

ALICE TIPLADY. Orange-saffron. Each, 20c; doz., $2.00; 100, $15.00.

ANITA. Canary-yellow. Each, 15c; doz., $1.50; 100, $10.00.

ANGOLA. Salmon-pink. Each, 15c; doz., $1.50; 100, $10.00.

REGULUS. Orange-salmon, with delicate yellow. Each, 15c; doz., $1.50; 100, $10.00.

SWEET ORRA. Pale sulphur. Each, 15c; doz., $1.50; 100, $10.00.

SUNBEAM. Each, 15c; doz., $1.50; 100, $10.00.

HYBRIDS (mixed). The range of colors is from the purest and lightest of yellows to deepest orange and from the softest shade of salmon-pink to rich crimson. On account of their slender and graceful habit, delicate colors and peculiar shape of the flowers they are ideal for vases. Doz., 75c; 100, $5.00.

GLADIOLUS IN MANY COLORS

These bulbs in color shades are medium in size, 1¼ to 1½ inches. All flowering.

Blue shades. Doz., $1.00; 100, $7.00.
Lilac and violet. Doz., $1.75; 100, $12.00.
Pink. Doz., 45c; 100, $3.00.
Pink and white. Doz., 75c; 100, $5.00.
Scarlet and red. Doz., 45c; 100, $3.00.
Scarlet and white. Doz., 50c; 100, $3.50.
Striped shades. Doz., 50c; 100, $3.50.
White and light. Doz., 45c; 100, $3.00.
Yellow shades. Doz., 65c; 100, $4.50.

Vaughan's "Early Hybrids" Mixture

During the past seasons we have had numerous calls for a mixture made up of early blooming varieties, so offer this season "VAUGHAN'S EARLY HYBRIDS MIXTURE," which contains a wide range of colors of the leading early blooming varieties, of both named and seedlings. Doz., 75c; 100, $4.00; 250 for $9.50.

Extra "Fine Mixed"

This mixture contains many of the new named sorts used in the "Rainbow," with 50 per cent of standard best kinds mixed together. This insures a wide range of colors, shades and types. Doz., 75c, postpaid; by exp., not prepaid, 50 for $2.25; 100 for $4.00; 500 for $17.00.

For the Children's Garden

We will supply by express, not prepaid, third size bulbs, about 1 inch in diameter, of "Mrs. F. King" and "America" at the very low price of $15.00 per 1,000. All are of blooming size. Besides blooms for the house or for sale, there will be dug in the fall the same number of large sized bulbs worth double the cost of these.

Dozen prices above, include prepayment. 100 prices not prepaid. If 100 lots are wanted by parcel post, add postage at zone rates, 5 lbs. per 100 bulbs. See page 120.

SPECIAL OFFER No. 100B. Two each of the following six varieties sent postpaid, for 75c: Mrs. Francis King, America, Chicago White, Schwaben, Halley, Baron J. Hulot. A full range of fine colors.

SPECIAL OFFER No. 200B. Two each of the following six varieties sent postpaid, $1.00: Chicago White, Chicago Salmon, Chicago Red, Peace, Niagara, Panama.

SPECIAL OFFER No. 300B. Two each of the following six varieties sent postpaid, for $1.25: War, Margaret, Primulinus Sunbeam, Mrs. Frank Pendleton, Black Pansy, Baron J. Hulot.

* This mark indicates introduced by Vaughan's Seed Store

Vaughan's Perennial Flower Seeds and Plants

ACHILLEA—The Pearl

ACANTHUS

5000 **Latifolius.** Aug. 3 ft. Handsome plant, broad deeply cut leaves; beautiful for solitary plants in lawn or for grouping with other plants. Pkt., 10c.

5001 **Mollis.** Flower spikes 4 ft. high of white and lilac flowers. Pkt., 10c.

ACHILLEA (Milfoil. Yarrow)

Achilleas are of easy culture and grow in any good garden soil. They are useful for the border, wild garden or shrubbery; also for cutting.

5003 **The Pearl.** 2 ft. June to August. Pure white, fine for cutting; blooms all summer. Pkt., 15c.

Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

ACONITUM (Monkshood)

Do not plant near vegetable gardens. Roots are poisonous. Bold spikes of hood-shaped flowers, valuable for cutting; very effective in flower borders and shrubberies, thriving anywhere.

5004 **Fischeri.** 2 ft. Sept. Large porcelain blue flowers. Pkt., 10c.

5005 **Napellus.** 2½ ft. August. Fine rich blue flowers. Pkt., 10c.

Plants, *3 for* **85c;** *doz.,* **$3.00.**

5006 **Wilsoni.** Pkt., 10c.

ADLUMIA (Alleghany Vine)

5008 **Cirrhosa.** 15 ft. The feathery foliage is like the Maidenhair Fern. Delicate rose pink and white flowers cover the plant. Pkt., 10c.

ADONIS

5009 **Vernalis.** 18 in. May. Large star-shaped yellow flowers. Pkt., 10c.

AGATHEA

5010 **Coelestis (Blue Daisy).** Flowers sky blue with yellow disk easy growth. Pkt., 10c.

AGROSTEMMA

5011 **Coronaria Varieties Mixed.** Attractive free-flowering, producing bright colored flowers on long, slender stems like a single pink; blooms the first season; fine for cutting; 1 to 2 ft. June-September. Pkt., 10c.

5012 **Flos Jovis.** 1 ft. Beautiful pink flowers. Pkt., 5c.

ALYSSUM (Madwort)

Showy spring-flowering plants. Valuable for front row in border or rock garden.

5013 **Saxatile Compactum (Basket of Gold).** 1 ft. May-June. Producing masses of golden flowers very early. May be planted effectively with Arabis. Pkt., 10c.

Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

AMPELOPSIS

5015 **Veitchii (Boston Ivy).** Small leaved, self-clinging, hardy vine. Pkt., 10c.

For plants see page 117.

Perennial Plants

of European origin, can no longer be imported except for propagating purposes, by ruling of the Federal Horticultural Board's Plant Quarantine Act No 37, which went into force June 1st, 1919. For the present, therefore, our list of **plants** must be curtailed until stock of our own propagation is ready to send out.

Order Plants

by name and on the separate order sheet provided for them. Give quantities desired in plain figures and write only one kind on each line.

Prices of Plants

The cost of labor and time involved in collecting, labeling and assembling long and extended lists of plants when ordered one of a kind, compels us to charge proportionately higher for single plants; on the other hand we make the price of twelve and three of a kind so attractive that it should induce our customers to buy at least three of a kind

Relative Prices are as Follows:

Plants priced at	per dozen	3 supplied for	Each
$2.50		...$0.65	$0.30
3.00		.. .85	.35
3.50		... 1.00	.40
4.00		.. 1.25	.50
4.50		... 1.35	.55
5.00		.. 1.50	.65

25 plants of a variety at the 100 rate where listed by the hundred.

Plants by Parcel Post

If to be sent by parcel post add postage as follows: Single plants, **5c;** 3 plants, **10c;** 6 plants, **15c;** 12 plants, **25c.** We accept no responsibility for delays or conditions that may prove injurious to the contents.

Plants by Express

We recommend this mode of transit where quantities are over 18 to 24 plants. We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.

ANCHUSA

5016 **Italica, Dropmore Variety.** 5 ft. June-July. Beautiful gentian blue, flowers one of the best perennials. Pkt., 15c.

ANEMONE (Wind Flower)

Very pleasing hardy plants for the herbaceous border. Fine large flowers, few plants compare with them in beauty. Excellent for boquets and table decorations.

5019 **Coronaria (Poppy Anemone) Mixed Colors.** June. 10 in. Pkt., 10c.

5020 **St. Brigid's Strain.** May-June. Double and single mixed. 12 in. A beautiful selection of the Coronaria varieties in a wonderful array of colors. Pkt., 15c.

5021 **Pulsatilla.** 10 in. Blooms in May. Flowers violet or purple. Pkt., 10c.

5021a **Pulsatilla Rubra.** Pkt., 15c.

5022 **Sylvestris (Snow Anemone).** 1½ ft. May to June. One of the most satisfactory for the border; flowers cup-shaped, pure white. Pkt., 15c.

ANTHEMIS (Marguerite)

These Hardy Marguerites are most satisfactory perennials, succeeding in the poorest soil. The flowers are yellow.

5023 **Kelwayi (Hardy Marguerite).** 2 ft. Daisy like yellow blossoms, produced all summer. Excellent for cutting. Pkt., 10c.

Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

5026 **Tinctoria.** Very useful yellow border plant. Pkt., 10c.

AQUILEGIA (Columbine)

The Columbine is one of the most beautiful hardy perennials producing graceful spurred flowers on 2-foot stems. They are much prized for cut flower purposes making dainty decorations. They are one of the most important of our early hardy flowers and should be grown in quantity, being easy to establish and thriving in almost any situation. Our Long-Spurred mixed are selected from the very finest kinds, their colors vary considerably, but all are choice, free in habit and great value for massing, and with their long stems are splendid for cutting.

5027 **Canadensis (Turk's Cap).** Handsome scarlet and orange flowers. Pkt., 10c.

AQUILEGIA—Long-Spurred

AQUILEGIA—Continued.

5028 **Chrysantha.** 3 ft. Yellow, long spurred. Pkt., 10c.

Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

5029 **Chrysantha Fl. Pl.** 3 ft. Double golden yellow flowers. Pkt., 10c.

5030 **Chrysantha Grandiflora Alba.** 3 ft. Large flowering, pure white, long spurs. Pkt., 10c.

Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

5031 **Coerulea (Rocky Mountain Columbine).** 3 ft. One of the most beautiful of our native American flowers. Sepals, deep blue; petals, white. Pkt., 10c.

5033 **Coerulea Rosea (Rose Queen).** 2½ ft. Beautiful flowers of light to dark rose with white center and yellow anthers, a most delicate combination of colors. Pkt., 25c.

5035 **Mrs. Scott Elliott's Strain of Long Spurred Hybrids.** The flowers are very large and of distinct shades of blues, lavenders, mauves, whites, creams, pinks, reds, yellows, etc. Many of these colors being entirely new in the species and are the result of very many years careful hybridisation. Pkt., 25c.

Plants, *3 for* **$1.00;** *doz.,* **$3.50;** *100,* **$18.00.**

5036 **Long Spurred Columbines.** Mixed. Pkt., 15c.

Plants, *3 for* **$1.00;** *doz.,* **$3.50;** *100,* **$18.00.**

5037 **Nivea Grandiflora.** 15 in. Large pure white. Pkt., 10c.

5039 **Skinneri (Mexican Columbine).** Large scarlet and yellow flowers. Pkt., 15c.

5042 **Vulgaris Alba Plena.** 2 ft. Double white flowers. Pkt., 10c.

5043 **Single Mixed.** Many varieties. Pkt., 10c.

5044 **Double Mixed.** Pkt., 10c.

5047 **Vaughan's Special Mixture** includes all the above mentioned varieties and many new colors not found in any named collection. Pkt., 25c.

ARTEMISIA

—**Lactiflora.** 4 to 4½ ft. Sept.-Oct. A great acquisition to herbaceous borders or wild garden, producing elegant spikes of pure white flowers on stout stems; the whole plant has the appearance of a highly ornamental flowering shrub. Graceful for table decoration.

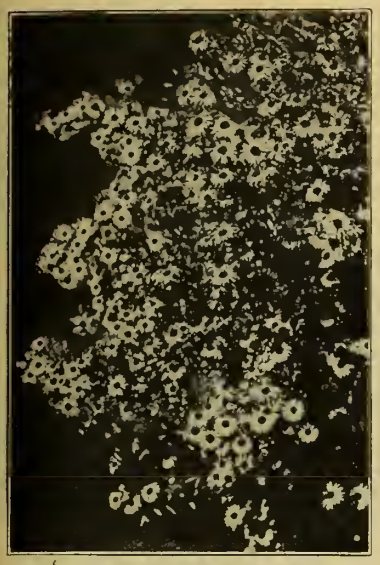
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

ARABIS (Rock Cress)

Charming dwarf spring-flowering plants of easy cultivation; valuable for beds, edgings.

5048 **Alpina.** 6 in. Large masses of double pure white flowers. Pkt., 10c.

Vaughan's Perennial Flower Seeds and Plants



ASTER—Climax

ARISTOLOCHIA

5051 **Sipho (Dutchman's Pipe).** 30 ft. Very large, showy foliage. One of the best climbing plants grown. Flowers of various colors. Requires protection in winter. Pkt., 10c.

For Plants, see pages 118-119.

ARMERIA (Thrift Sea Pink)

Grand plants for crevices of wall and rocks, and also for growing in flower borders or as permanent edgings; excellent plants for the sea coast. June-July.

5052 **Formosa.** 9 in. Pretty rose pink. Grand for borders. Pkt., 10c.

5054 **Maritima.** 3 in. Silvery pink flowers. Pkt., 15c.

—**Laucheana.** May. Rose 6 in.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

ASCLEPIAS

5056 **Tuberosa (Butterfly Weed).** 2 ft. One of the most showy of our native perennials and producing from July until frost, compact umbels of brilliant orange flowers. Pkt., 15c.

ASTER

Now fill a most important place in all hardy flower gardens, lighting up the borders and shrubberies with their masses and clouds of dainty and brightly colored blossoms throughout the autumn months up to November, when other flowers are scarce.

5064 **Large Flowering Mixed.** Various shades of blue. Pkt., 25c.

—**Novae Belgae Climax.** Oct.-Nov. Lavender blue. 5 ft.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

—**Climax White.** Oct.-Nov. Pure white. 5 ft.
Plants, *3 for* **$1.00;** *doz.,* **$2.50;** *100,* **$15.00.**

—**Novae Angliae.** 3 ft. Sept.-Oct. Deep purplish blue.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

—**Mrs. J. F. Raynor.** Oct.-Nov. Vivid crimson. 5 ft.
Plants, *3 for* **$1.25;** *doz.,* **$4.00.**

—**St. Egwin.** Oct.-Nov. Pink. 2½-3ft.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

BAPTISIA

5071 **Australis (False Indigo).** 2 ft. Beautiful racemes of pea-shaped light blue flowers appearing in midsummer. Pkt., 10c.

BOCCONIA

5084 **Cordata (Plume Poppy).** 5 ft. A handsome border plant, having large lobed heart-shaped leaves with silvery undersurface, and flower plumes of a pretty cream color. Pkt., 10c.

BOLTONIA (False Chamomile)

This Aster-like hardy plant is useful for cutting, remaining in bloom a long time; requires good rich soil and an open situation in border or shrubbery.

5085 **Asteroides.** July-October, 6 ft. White. Large daisy-like flowers, valuable for cutting. Pkt., 15c.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

5086 **Latisquama.** Delicate pink. Pkt., 15c.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

BUDDLEIA (Butterfly Bush or Summer Lilac)

A small shrub bearing exquisite tapering spikes of lilac mauve flowers; requires same protection as roses during winter. Plant in Spring.

—**Variabilis Veitchiana.** July-Aug. Mauve. 3 ft.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

BUPHTHALMIUM

5087 **Salicifolium.** Perennial herbs of a showy character and mostly hardy, does well in ordinary garden soil. Pkt., 10c.

CAMPANULA

A large, beautiful and most important family for the flower garden. The dwarf species are charming for rock gardens, being, as a rule, not difficult to cultivate. The habit of the plant, as a rule, is compact, ranging from 18 to 24 inches in height. They are most effective when planted in the mixed borders near the early Phloxes. The Persicifolia varieties are good perennial plants. Pyramidalis is a tall growing species, sending up its stalks of bloom 5 to 6 ft. in height during August and continuing to bloom for six weeks or more.

5090 **Carpatica (Harebell).** 9 in. July. Pretty blue, dwarf. Pkt., 10c.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

5091 **Alba.** 9 in. July. Pure white. Pkt., 10c.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

5092 **Calycanthema (Cup and Saucer).** 2 ft. June to August. Mixed colors. Pkt., 10c.

5093 **Calycanthema White.** Pkt., 10c.

5094 **Pink.** Pkt., 10c.

5095 **Blue.** Pkt., 10c.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

5102 **Macrantha.** 3 ft. Erect stems, large bells, violet blue. Pkt., 15c.

5104 **Medium (Canterbury Bell).** 2 ft. Single White. Pkt., 10c.

5105 **Single Blue.** Pkt., 10c.

5106 **Single Pink.** Pkt., 10c.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

5108 **Mixed Colors (Canterbury Bells).** Pkt., 10c.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

5108a **Double White.** Pkt., 10c.

5108b **Double Blue.** Pkt., 10c.

5108c **Double Pink.** Pkt., 10c.

5109 **Double Mixed.** Pkt., 10c.

5110 **Lactiflora Coerulea.** Broad leaved blue. Pkt., 15c.

5111 **Persicifolia (Peach Bells).** Blue, 2 ft. Pkt., 25c.

5112. **Persicifolia Alba.** White. Pkt., 25c.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

5113 **Persicifolia Mixed.** Blue and White. Pkt., 25c.

5114 **Pyramidalis (Chimney Bellflower).** Blue, 5-6 ft. Pkt., 10c.

5115 **Pyramidalis Alba.** Pkt., 15c.

5116 **Pyramidalis Mixed.** Pkt., 10c.

5117 **Vaughan's Special Mixture.** A grand assortment of all varieties. Fine for cut flowers. Pkt., 25c.

CANDYTUFT—See Iberis

CANTERBURY BELLS—See Campanula

CARNATION

After a few years' trials, we have proved these to be quite hardy with ordinary protection. Large double flowers, produced in succession all summer. Make excellent beds and are valuable cut flowers.

5118 **Grenadin. Yellow.** Pkt., 15c.

5119 **Grenadin. Triumph (rose).** Pkt., 15c.

5120 **Grenadin. Dark velvety brown.** Pkt., 15c.

5121 **Grenadin. Scarlet.** Pkt., 10c.

5122 **Grenadin White.** Splendid cut flowers. Pkt., 20c.

CAMPANULA—Canterbury Bell

CARNATION—Continued.

—**Grenadin Mixed.**
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

5123 **Vienna Dwarf. White.** Pkt., 15c.

5124 **Vienna Dwarf. Rose.** Pkt., 15c.

5125 **Vienna Dwarf Mixed.** Pkt., 10c.

5126 **Double Mixed, Extra Choice.** Pkt., 15c.

CENTAUREA (Hardheads, Knapweed)

Good plants for the flower border or wild garden, with thistle-like flowers. Blossom in July-August.

5132 **Macrocephala.** Golden yellow. Pkt., 10c.

5133 **Montana Blue.** 2 ft. Beautiful blue hardy Cornflower. Pkt., 10c.

CERASTIUM

5137 **Tomentosum (Snow in Summer).** 4 in. Silvery white foliage, covered with snow white flowers in early summer. Pkt., 15c.

CHEIRANTHUS

5138 **Allioni.** 1 ft. Fine rock or border plant with orange flowers. Pkt., 10c.

CHELONE

Long coral-red spike like a pentstemon.

5140 **Hybrida, Mixed. (Turtle Head.)** 3 ft. July and August. Allied to Pentstemon; throws out long spikes of brilliantly-colored flowers. Pkt., 10c.

5141 **Barbatus Torreyi.** July-Aug. Coral red. Pkt., 10c.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

CHRYSANTHEMUM (Hardy Daisy)

Fine hardy border plants, their large Daisy-like flowers being produced in great profusion. They are splendid for cut flower purposes, lasting well. King Edward VII is an extraordinary large flower.

5143 **Laciniatum. White comet fringed.** White petals. Pkt., 15c.

5144 **King Edward VII.** 2½ ft. Very large white flowers on stout stems. Pkt., 10c.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

5145 **Market Favorite.** Produces an enormous number of well-formed, pure white flowers, evenly distributed and flowering at one time. Pkt., 15c.

5146 **Mrs. C. Lothian Belle.** Large white daisy-like flowers. Pkt., 15c.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

CIMICIFUGA (Snake Root)

Valuable for late flowering, beginning in September and continuing throughout October.

5149 **Racemosa.** 4 to 8 ft. White flowers in long racemes. Pkt., 10c.

5150 **Dahurica.** 2 to 3 feet. Feathery drooping white flowers. Pkt., 15c.

Vaughan's Perennial Flower Seeds and Plants

CIMICIFUGA

CLEMATIS

Seeds slow in germinating, may not come up in a year.

5152 **Paniculata.** 15 ft. Fall-flowering vine with white flowers. Pkt., 10c.

5153 **Jackmanii, Large Flowering Mixed.** Blue, white and purple. Pkt., 15c.

For plants see page 118.

COREOPSIS (Tickseed)

One of the most popular hardy plants, the flowers are a rich golden yellow of a beautiful graceful form and bloom June to October.

5154 **Lanceolata Grandiflora.** 2 ft. Large orange-yellow flowers on long graceful stems. About the best yellow cutflower blooming incessantly. Pkt., 10c.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

DAISY (Shasta)

5157 **Alaska.** 2 ft. Wonderful show of large white flowers. Fine for cutting. Blooms all summer. Pkt., 10c.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

DELPHINUM (Perennial Larkspur)

Few plants are so handsome in the garden as the perennial Larkspurs. There are many species in cultivation, but the most important are the tall hybrids, of which there are many varieties with a wonderful range of color. They are valuable for their great variety in height, varying from 1 to 6 feet, for their great variety in shades of color, varying from the palest lavender through every conceivable shade of blue to deep indigo. They thrive in almost any situation or soil and are easily increased, being perfectly hardy. A good, deep, rich soil will repay with larger and better flowers. Stately plants with wonderful flowers produced on long spikes in various shades of white and blue. Remove the flower before the seed pods form and they will flower later in season again.

5159 **Blue Butterfly, Improved.** 15 in. A charming Salvia-blue, forming compact free flowering bush. Pkt., 15c.

5160 **Lavender Butterfly.** A dwarf Larkspur of a beautiful Cambridge Blue color. Paler form of Blue Butterfly. Pkt., 15c.

5161 **Chinese (Blue).** 2 ft. Pure blue in branching dwarf spikes. Very graceful for cutting. Pkt., 10c.

5162 **Chinese Album.** 2 ft. Pure white. Pkt.,10c.

5162a **Chinese Mixed.** Pkt., 10c.

5163 **Elatum Hybridum, Single Mixed.** 3 ft. Pkt., 10c.

5164 **Double Mixed.** 3 ft. Pkt., 15c.

5165 **Formosum.** 3 ft. Deep blue, white eye, open spike. Pkt., 10c.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

5171 **Belladonna (Light Blue).** 2 ft. Flowers exquisite shade of turquoise blue. Pkt. 20c.
Plants, *3 for* **$1.00;** *doz.,* **$2.50;** *100,* **$15.00.**

DELPHINUM—Continued.

5173 **Indigo.** 4 ft. Pure indigo blue, comes true from seed. Pkt., 25c.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

—**Lamartine.** July-August. Dark blue, 3 ft.
Plants, *3 for* **$1.00;** *doz.,* **$3.50.**

5174 **Nudicaule.** Dwarf brilliant scarlet flowers. Pkt., 25c.

5175 **Zalil.** 3 ft. Sulphur yellow. Seed germinates very slowly. Pkt., 25c.

5176 **Vaughan's Gold Medal Hybrids.** This strain is especially grown for us, the seed being saved from selected plants. Many of them are double flowered, and range in color from pale lavender to indigo-blue. Pkt., 50c. ⅛ oz., $1.00.
Plants, *3 for* **$1.00;** *doz.,* **$2.50;** *100,* **$15.00.**

NEW PERPETUAL FLOWERING HARDY PINKS (Dianthus Allwoodii)

This is an important addition to our list of perennial plants. They are perfectly hardy and flower continuously from early spring until late in the autumn; the flowers are much more substantial and larger than the old type of Hardy Pinks, and are borne on long stems suitable for cutting; deliciously clove-scented.

—**Harold.** A splendid large double pure white of very symmetrical form and great substance.
Plants, *3 for* **$1.00;** *doz.,* **$3.50.**

—**Jean.** Pure white, a deep violet crimson centre, a distinct handsome flower.
Plants, *3 for* **$1.00;** *doz.,* **$3.50.**

—**Mary.** Pale rose-pink with light maroon centre.
Plants, *3 for* **$1.00;** *doz.,* **$3.50.**

—**Robert.** A delicate shade of old rose with light maroon centre.
Plants, *3 for* **$1.00;** *doz.,* **$3.50.**

DIANTHUS (Hardy Garden Pink)

These very desirable sweet-scented, low-growing, early blooming and free flowering Hardy Garden Pinks are unequaled for the borders of beds, carriage drives, and the old-fashioned garden, and should be planted in quantity in any good garden soil with full sun and an open situation.

5177 **Caesius (Cliff Pink).** Flowers delicate rose color, fragrant. Pkt., 25c.

5178 **Miss Gladys Cranfield.** A perennial Pink with single bright rose flowers, with velvety crimson eye. Pkt., 35c.

5180 **Plumarius Cyclops (Clove Pink).** An exquisite mixture of colors. Pkt., 10c.

5181 **Plum Cyclops, Red Hybrids.** Pkt., 15c.

5182 **Plum. Diadematus.** 12 in. White, pink and crimson. Pkt., 10c.

5184 **Plum. Nanus Fl. Pl.** Double dwarf mixed. Pkt., 15c.

5185 **Plum. Semperflorens.** 15 in. Single and double, flowers all spring and summer. Mixed colors. Pkt., 15c.

5186 **Plum. Single Mixed.** Delicately fringed flowers. Pkt. 10c.

5187 **Plum. Double Mixed.** Fine for cutting. Pkt., 10c.

5188 **Plum. Vaughan's Special Mixture.** A grand selection of clove pinks of the above Plumarius type and others. Pkt., 20c.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

5189 **Latifolius Atro-coccineus Plenus.** 15 in. Double fiery crimson. Pkt., 10c.

—**Abbottsford.** May-Oct. Pink. 15 in.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

—**Lilac Queen.** May-Oct. Mauve. 12 in.

DIANTHUS BARBATUS (Sweet William)

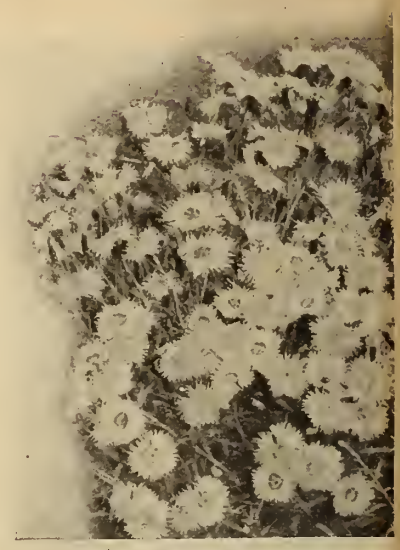
The varieties offered are an improvement on the old-fashioned kinds, inasmuch as the colors and size or flower are far superior, being grown from select seed. Sweet Williams look well in solid beds of masses and require a good, rich well manured soil to grow them to perfection, excellent border plants and fine for cut flowers. Plants grow 18 to 24 inches high.

Single Varieties

5192 **Scarlet Beauty.** A charming and distinct color. Pkt., 15c.

5193 **Copper Red.** A new and rich color. Pkt., 15c.

5194 **Diadematus.** One of the prettiest; flowers rose, spotted and sprinkled with white. Pkt., 10c.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**



DIANTHUS (Hardy Pinks)

DIANTHUS BARBATUS—Continued.

5195 **Johnson's Giants.** The range of color includes shades which are not to be found in other strains, and the peculiar and delicate markings on the flowers are most attractive. Pkt., 15c.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

5196 **Nigrescens.** Almost black. Pkt., 10c.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

5197 **Pink Beauty (Newport Pink).** Pkt., 10c.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

5199 **Albus.** White. Pkt., 10c.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

5200 **Atro-sanguineus.** Blood-red. Pkt., 10c.

5201 **Roseus.** Pink. Pkt. 10c.

5202 **Single Mixed.** Pkt., 5c.

5203 **Single Giant-Flowered Mixed.** Pkt., 10c

Double Varieties

5204 **White.** Pkt., 10c.

5205 **Rose.** Pkt., 10c.

5206 **Blood-Red.** Pkt., 10c.

5207 **Mixed.** Pkt., 10c.

5208 **Double Giant-Flowered Mixed.** Pkt., 15c

5209 **Vaughan's Special Mixture, Sweet William.** A mixture of all the beautiful varieties here listed and others. This is sure to please in the varied and unique coloring and markings of the flowers. Pkt., 15c.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

DICTAMNUS (Gas Plant)

The seed of these is very slow to germinate.

5211 **Fraxinella.** 3 ft. An old and beautiful plant with ash-like foliage and large spike of deep pink, purple veined flowers, excellent for cutting. Pkt., 10c.

5212 **Albus.** 3 ft. Spikes of attractive pure white sweet scented flowers. Pkt., 10c.

DIGITALIS (Foxglove)

These produce spires of blossoms three to five feet high. Stately old garden favorites for garden shrubbery borders and naturalizing in suitable places.

5213 **Gloxiniaeflora, White.** Flowers shaped and spotted like a gloxinia.

5214 **Pink.**

5215 **Purple.** Each color. Pkt., 10c.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

5217 **Gloxiniaeflora, Mixed Colors.** Pkt., 10

5218 **Grandiflora.** Bright yellow. Pkt., 10c.

5220 **Maculata Iveryana.** Splendid spotted Pkt., 10c.

5221 **Monstrosa Mixed.** Long spikes surmounted by one enormous flower. Pkt., 10

5222 **Purpurea Mixed.** Many colors. Pkt., 10

5223 **Vaughan's Special Mixture of Digitalis.** A grand mixture of the above, and many other colors, grown especially for this mixture. Pkt., 15c.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

Vaughan's Perennial Flower Seeds and Plants

DIGITALIS (Foxglove)

ECHINACEA (Coneflower)

5225 **Hybrida.** 4 ft. Flowers of various shapes, produced in a wide range of colors. Pkt., 15c.

5226 **Purpurea.** 4 ft. A very handsome border plant bearing large heads of rosy purple flowers, and dark central disc. Pkt., 15c.

ECHINOPS (Globe Thistle)

Handsome, strong-growing plants with thistle like leaves and globe-shaped bristly flowers.

5227 **Ritro.** 3 ft. Metallic blue flower heads. Pkt., 10c.
Plants, *3 for* **$1.00;** *doz.,* **$3.50.**

5228 **Sphaerocephalus.** 4 ft. Grayish white flowers on stout stems. Pkt., 10c.

ERYNGIUM (Sea Holly)

Handsome ornamental plants for flower and shrubbery borders. Flowers July to Sept.

5234 **Planum.** 3 ft. Small steel blue globular flowers; graceful decorative plant. Pkt., 10c.

ERIGERON (Flea Bane)

Valuable summer flowering plants with elegant single aster-like flowers, much prized for cutting.

—**Amos Perry.** June-Oct. Lavender blue. 1 ft.
Plants, *3 for* **$1.00;** *doz.,* **$3.50.**

EUPATORIUM (Thorough Wort)

Strong growing border plants suitable for cutting; they bear minute white flowers in dense heads; ordinary garden soil suits them.

5236 **Ageratoides.** 2 ft. Pure white ageratum-like flowers; does well in shade. Pkt. 10c.

5238 **Purpurea.** Pink flower, purple stalked. Pkt., 15c.

—**Coelestinum.** Sept.-Oct. Light blue. 2 ft.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

FERNS

Hardy Ferns are especially suited to partial and dense shade and will flourish where grass will not grow. For naturalizing in woodland they are fine subjects associated with Foxgloves, Funkias and Aquilegias. They make a grand effect in shady spots in any garden. Their culture is easy. If possible, add leaf mold or well decayed peat, loam and a fair proportion of sand and drainage. (Ready March 15.)

—**Adiantum Pedatum (Maidenhair Fern).** 1 ft. The best dwarf fern.

—**Asplenium Felix-Foemina (Lady Fern).** 2-3 ft. Fine delicate fronds, very hardy, will grow in the sun if soil is kept moist.

—**Aspidium Cristatum.** 2 ft. Grows well in swampy situation.

—**Aspidium Goldianum.** 4 ft. One of the finest Aspidiums.

—**Aspidium Thelypteris.** 2 ft. Very variable, fronds long and narrow.

—**Onoclea Struthiopteris (Ostrich Fern).** 3-4 ft. One of the most stately and best for cultivation; handsome dark green fronds.

—**Osmunda Claytoniana.** 2 ft. A good fern for the shady corner. 7 to 12 inches wide, broader than long.

FERNS—Continued.

—**Aspidium Spinulosum (Spinulose Wood Fern).** 1½ to 2 ft. A strong grower and should be included in every Fern collection.

Price, any of the above Ferns, 3 for 85c; doz., $3.00; 100, $18.00.

FUNKIA (Day Lily)

Very attractive plants with broad overlapping leaves of various markings; very ornamental, surmounted by dainty lily-like flowers in terminal racemes. Effective in front of shrubbery, under trees, or any shady position where they thrive best.

—**Lanceolata.** August. Dark blue. 1 ft.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

—**Undulata Medio Variegata.** 12 in. Silvery white, lined green. A very ornamental foliage plant.
Plants, *3 for* **85c;** *doz.,* **$2.50.**

—**Subcordata Grandiflora.**
Plants, *3 for* **$1.25;** *doz.,* **$4.50.**

GAILLARDIA (Blanket Flower)

June to October, 2 ft. Their long-flowering period, long stems and bright colors make these one of the most valuable of perennials, being easily grown in beds or borders in ordinary garden soil.

5240 **Grandiflora Mixed.** Composite flowers, variegated with shades of red and yellow. Pkt., 10c.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

5242 **Semiplena.** Double row of petals, yellow with red center. Pkt., 10c.

5243 **Compacta.** Varied colored compact flowers well above foliage. Pkt., 10c.

5245 **Maxima Kermesina Splendens.** Center crimson, canary yellow border. Pkt., 10c.

5246 **Sulphurea Oculata.** Pale yellow, maroon eye. Pkt., 10c.

5247 **New Hybrids.** Very large flowers, in a great variety of colors. Pkt., 25c.

—**Portola.** We consider this one of the most valuable perennials introduced in many years. European growers have been offering special named varieties of gaillardias for many years but we have never been sufficiently impressed with them to attempt their individual propagation, as nearly all of them could be reproduced readily from a selection of good seed. But in this new variety which originated on the Pacific Coast and named Portola in honor of the discoverer of San Francisco Bay and which we are now offering for the first time we have a variety which in habit of growth as well as in size, make up, form and color of flower is entirely distinct from anything ever offered. The plant is of strong, vigorous, erect habit of growth, from 2½ to 3 feet high, the stems are strong and stiff, holding the flowers erect; these are of large size, nearly 4 inches in diameter, the petals being very broad and overlapping, of great substance, and spread out flat, forming a very regular flower; in color a brilliant scarlet with coppery hue which is intensified by the golden yellow with which each petal is heavily tipped. Portola is not only a valuable addition as a flowering subject for the garden for the entire summer and fall, but is also a splendid cut flower.
Plants, *3 for* **$1.00;** *doz.,* **$3.50;** *100,* **$25.00.**

GENTIANA (Gentian)

Beautiful hardy border and rock plants, with shades of blue surpassing those found in any other family of plants. Grow in moist shady situation in sandy loam.

5248 **Acaulis.** 4 in. Large bell-shaped deep blue flowers; spring blooming. Pkt., 10c.

5249 **Lutea (Yellow Gentian).** 4 ft. July. Whorls of giant yellow flowers. Pkt., 10c.

GEUM

5250 **Coccineum Atrosanguinea Plenum.** 1½ ft. Flowers are double, bright scarlet in color and last well when cut. Very large and profuse bloomer. Pkt., 10c.

5252 **Mrs. Bradshaw.** Double. The orange-scarlet flowers are very large and full; comes quite true from seed and blooms the first year. Pkt., 25c.

GOLDEN ROD—See Solidago

GYPSOPHILA

Graceful border and rock plants with small flowers on light stems. Greatly prized for cutting.

5261 **Paniculata Flore Pleno.** A great improvement on the single-flowered type and more lasting, the flowers forming miniature balls of white petals. Not quite fixed, but about 25 per cent come true. The plant is difficult to propagate by division, and seedlings prove much more vigorous. Pkt., 25c.

GAILLARDIA Portola

GYPSOPHILA—Continued.

5262 **Paniculata (Baby's Breath).** 2 ft. July-Aug. Small flowers on branched stems, so thick as to give the plant a white lace-like effect. Pkt., 10c.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

HEDYSARUM

5263 **Coronarium.** Red (Honeysuckle). Pkt., 10c.

HELENIUM (Sneezewort)

Delightful perennials allied to the Helianthus (Sunflower). Splendid and lasting as cut flowers.

5264 **Autumnale Superbum.** 5 ft. Large clear light yellow, flowers in Sept. Pkt., 10c.

5267 **Bigelowii.** 2 ft. Large rich yellow flowers. Pkt., 10c.

5268 **Hoopesii.** 2 ft. May-July. Rich orange yellow. Pkt., 10c.
Plants, *3 for* **85c;** *doz.,* **$3.00;** *100,* **$18.00.**

5269 **Riverton Gem.** 2 to 3 ft. Covered from August to October with brilliant old gold and splashes of darker shades, changing later to wall-flower red. Pkt., 15c.

6259a **Riverton Beauty.** Pkt., 15c.

HELIANTHUS (Hardy Sunflower)

Hardy, perennial Sunflowers flourish splendidly in any garden city or country. They are a beautiful race of sturdy, showy plants, invaluable for cutting, as they last so long in water.

5270 **Maximiliani.** Small and graceful flowers of deep yellow on stems 2 to 4 feet long, blooming from August to October. Pkt., 25c.

5271 **Perennial Varieties, Mixed.** Pkt., 15c.

—**Multiflorus Plenus (Dahlia Sunflower).** Aug-Sept. Double yellow.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

HELIOPSIS

A very brilliant border plant, resembling a double sunflower; flowers double yellow; an excellent cut-flower.

5273 **Pitcheriana.** A desirable hardy herbaceous plant, growing from 3 to 4 feet high, beginning to flower early in the season, and continuing the entire summer. The flowers are of a beautiful deep golden yellow color about 2 inches in diameter; of very thick texture and very graceful for cutting. Pkt., 10c.

—**Gratissima.** June-Aug. Double yellow. 2½ ft.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

5274 **Scabra Major.** Pkt., 15c.

VAUGHAN'S IRIS

Flag Iris or Fleur de Lis

Loreley.

THESE Irises are all sun lovers and delight in a well-drained situation. They are all deliciously fragrant, large and handsome, more or less beautifully mottled in the "Standards" and veined in the "Falls," while the beards range from delicate primrose to orange. Their beauty at first sight rivals that of the Orchid, but, on closer examination, we have no hesitation in saying they yield points of interest not to be found in the whole of the Orchid family. Those who have not used these Irises for surrounding lakes and ponds, or cultivated them in the flower borders, shrubberies, woodland walks and wild gardens, should do so. If planted around ponds or lakes, they should be placed well above the water level.

PLANTS BY PARCEL POST—If to be sent by parcel post, add postage as follows: Single plants, **5c**; 3 plants, **10c**; 6 plants, **15c**; 12 plants, **25c**. We accept no responsibility for delays or conditions that may prove injurious to the contents.

PLANTS BY EXPRESS—We recommend this mode of transit where quantities are over 18 to 24 plants. We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals.

The figures preceding the varieties are the rating given to them by the Iris Society, 10 being the highest rating used in judging.

Monsignor

Pallida Dalmatica

New and Choice Varieties

9.4 **Ambassador.** Late. An almost regal flower that should have a great future. "S" fascinating smoky purple; "F" velvety purple-maroon, orange bearded. Quite the Iris of the year. Each, $7.50.

9.4 **Ballerine.** Early. "S" light violet-blue; "F" deeper. Very fragrant. Single blooms often five inches long. Wide rounded standards waved at the edges. Each, $10.00.

8.3 **Dejazet.** Late. "S" bronze-rose with golden sheen; "F" reddish-violet, the whole beautifully blended. Large broad flower. Each, $5.00.

8.6 **Edouard Michel.** Late. "S & F" unusual shade of intense reddish purple. Each, $2.00.

8.5 **Grevin.** Late. "S" violet with yellow shading; "F" dark violet with bright yellow veining. Each, $5.00.

9.6 **Lent A. Williamson.** Early. "S" very broad, soft campanula violet; "F" very large velvety royal purple. Brilliant gold beard. Massive in growth, stalk and flower. Always dependable. Each, $5.00.

8.3 **La Neige.** Late. "S & F" a pure glistening waxy white. The falls are carried stiffly horizontal. Does not multiply rapidly. Each, $2.00.

9.1 **Magnifica.** Midseason. "S" light violet-blue; "F" dark reddish-purple. A fine strong plant with branching stems. Flowers extraordinarily large, 6 inches long and sweet scented. True strong growing kind. Each, $10.00.

8.5 **Medrano.** Early. "S & F" a beautiful dark smoky claret color. Very unusual effect; large flowers. Each, $6.00.

8.5 **Moliere.** Early. "S" dark violet; "F" darker violet veined brown at haft. Yellow beard. Each, $5.00.

8.7 **Opera.** Early. "S" bright reddish-lilac; "F" deep velvety purple-lilac. Beard yellow. Each, $5.00.

SPECIAL OFFER No. 30.

One each of above 11 Iris, strong roots, for **$60.00**, prepaid.

DARK BLUE AND PURPLE

Archbishop (Archeveque). "S" Deep velvety violet; "F" Deep purple violet; an exquisite Iris; very scarce. Doz., $7.50; 3 for $2.00; each, 75c.

6.9 **Gertrude.** Deep violet blue; very fragrant. Per 100, $10.00; doz., $2.00; 3 for 55c.

7.8 **Kochi Atro-purpurea.** "S" Purple lilac; "F" velvety black. A very striking dark flower. Per 100, $15.00; doz., $2.50; 3 for 65c.

8.4 **Monsignor.** Tall, large blossoms borne in profusion. "S" Bluish lavender; "F" Violet with white pencilings at throat. Per 100, $18.00; doz., $3.00; 3 for 85c.

6.0 **Twilight (Crepuscule).** "S" and "F" delicate violet-purple, quite devoid of markings. Immense flowers on long stems. Early. Highly recommended. Doz., $3.50; 3 for $1.00.

Zephyr. Clear violet-blue; silky sheen. Doz., $3.50; 3 for $1.00.

YELLOW SHADES

7.5 **Frorin.** "S" and "F" pale canary yellow, merging to cream at base. Doz., $2.50; 3 for 65c.

6.7 **Gajus.** "S" Light clear yellow; "F" Crimson, reticulated white and yellow. Per 100, $10.00; doz., $2.00; 3 for 55c.

Loie Fuller. Clear pumpkin yellow with a greenish sheen in the fall. Each, $1.50.

7.9 **Loreley.** "S" Light yellow; "F" Ultramarine blue, bordered cream. Style arms deeper yellow; grows 30 inches. Per 100, $10.00; doz., $2.00; 3 for 55c.

6.1 **Maori King.** "S" Golden yellow; "F" Velvety maroon margined gold. Per 100, $15.00; doz., $2.50; 3 for 65c.

7.2 **Princess Victoria Louise.** "S" immense sulphur yellow; "F" plum color, shaded primrose. A very uncommon and pleasing shade. Per 100, $15.00; doz., $2.50; 3 for 65c.

7.6 **Sherwin Wright.** Early. "S & F" splendid golden yellow without shading or markings. Multiplies rapidly and is most satisfactory. Doz., $3.00; 3 for 85c.

BRONZE SHADES

7.4 **Dr. Bernice.** "S" Coppery bronze; "F" Velvety crimson. Very handsome. Per 100, $15.00; doz., $3.00; 3 for 85c.

VAUGHAN'S GIANT COLLECTION HARDY IRIS

Florentine Alba, Gertrude, Isoline, King of Iris, Lohengrin, Mme. Chereau, Loute, Monsignor, Stormcloud and Twilight.

SPECIAL OFFER—One each of the above ten Iris for $3.50 postpaid.

VAUGHAN'S COLLECTION OF PINK SHADES OF IRIS

Caprice, Her Majesty, Isoline, Lohengrin, Marian and Queen of May.

SPECIAL OFFER. One each of the above six Iris for $1.75 postpaid.

RED, WHITE AND BLUE COLLECTION

Mme. Pacquette, Gertrude, Mrs. H. Darwin. 1 Collection, 65c; 3 Collections, $1.75; 6 Collections, $3.00 **All Prepaid.**

BARGAIN COLLECTIONS

One each, 6 varieties (6 plants).....**$1.00**
Two each, 9 varieties (18 plants)..... **2.00**
Three each, 12 varieties (36 plants)..... **3.00**
(Our Selection). ALL PREPAID.

HARDY IRIS SPECIAL MIXTURE

Doz., $1.25 (postpaid); (by express) per 100, $6.00; per 1000, $50.00 (25 at 100 rate, 250 at 1000 rate.)

GOOD MIXTURE

For large plantings and naturalizing, splendid value. Per 100, $4.00; per 1000, $25.00 (exp.)

7.8 **Eldorado.** "S" Bronze shaded yellow; "F" Violet purple touched at sides with bronze yellow. A unique and brilliant color combination; grows 32 inches high. Per 100, $20.00; doz., $3.50; 3 for $1.00.

7.9 **King of Iris.** "S" Lemon yellow; "F" Rich crimson bordered with gold; very tall with large flowers. Per 100, $30.00; doz., $4.00; 3 for $1.25; each, 50c.

8.3 **Prosper Laugier.** Midseason. "S" fiery bronze; "F" velvety ruby purple like a pansy bloom. This variety outclasses them all in being a combination of correctly blended colors. Per 100, $20.00; doz., $3.50; 3 for $1.00.

LIGHT BLUE AND PURPLE

8.9 **Alcazar.** "S" Violet with bronze sheen; "F" rich crimson with lighter veins. A very rich and striking flower. Doz., $10.00; 3 for $2.65; each, $1.00.

8.3 **Amas (Macrantha).** "S" Rich blue; "F" Violet; very large and handsome. Doz., $3.00; 3 for 85c.

6.6 **Candelabre.** "S" Mauve and purple, with spotted effect on inside; "F" Violet, with white and black veins, unique candelabra-like form and rich coloring. Per 100, $10.00; doz., $2.00; 3 for 55c.

7.1 **Celeste.** Fine satiny blue. One of the most beautiful of hardy Irises. Per 100, $12.00; doz., $2.00; 3 for 55c.

6.8 **Cherubin.** "S" Pale lilac; "F" Pale lilac, veined purple. Per 100, $12.00; doz., $2.40; 3 for 65c.

7.3 **Clio.** "S" White; "F" clear blue. Doz., $2.40; 3 for 65c; per 100, $12.00.

7.6 **Dorothea.** An early dwarf flower of exceptional merit. "S" Mauve, deeper in center; "F" Soft blue, with orange veinings. Very fine. Per 100, $10.00; doz. $2.00; 3 for 55c.

7.4 **Kharput (Italia).** "S" Violet; "F" Violet purple, large handsome bloom. Per 100 $12.00; doz., $2.00; 3 for 55c.

L'Avenir. A beautiful shade of satin blue Per 100, $12.00; doz., $2.50; 3 for 65c

(Iris Continued on Next Page)

Vaughan's Perennial Flower Seeds and Plants

HOLLYHOCK—Double Mixed

IRIS—Light Blue and Purple—Continued

6.8 **Loute.** "S" light blue and heliotrope; "F" Reddish purple and bronze. Flowers of majestic proportions and striking color. Doz., $7.50; 3 for $2.00; each, 75c.

7.8 **Oriflamme.** "S" Light blue; "F" Violet purple; extra fine large flower. Doz., $4.50; 3 for $1.25; each, 50c.

8.8 **Pallida Dalmatica.** One of the most beautiful of all these Irises. Perfectly hardy, strong grower and very free flowering. Exquisite shade of lavender-blue. Per 100, $18.00; doz., $3.00; 3 for 85c.

5.1 **Pres. Thiers.** "S" Lavender blue; "F" Deeper blue, white pencilings. Per 100, $18.00; doz., $3.00; 3 for 85c.

7.6 **Stormcloud (Nuee d'Orage.)** (New.) Very large flowers of grayish slate-blue, with bronze shading. "F" Purplish blue. Very fine. Doz., $7.50; 3 for $2.00; each, 75c.

7.4 **Tamerlane.** "S" Pale violet; "F" deep purple. Magnificent, tall, bold. Doz., $7.50; 3 for $2.00; each, 75c.

8.0 **Violacea Grandiflora.** "S" and "F". Clear violet blue. The best true blue. Per 100, $18.00; doz., $3.50; 3 for $1.00.

PINK SHADES

7.5 **Caprice.** "S" Reddish purple; "F" Deeper, self-colored. One of the best red Irises. Per 100, $10.00; doz., $2.00; 3 for 55c.

8.6 **Isoline.** "S" Lilac pink; "F" Purplish old rose, with golden throat and yellow beard. Very handsome and extremely scarce. Doz., $4.50; 3 for $1.25; each, 50c.

7.3 **Her Majesty.** "S" a lovely rose pink; "F" bright crimson tinged a darker shade. Doz., $4.50; 3 for $1.25; each, 50c.

8.2 **Lohengrin.** Large handsome pink silvery-mauve flowers. Per 100, $18.00; doz., $3.00; 3 for 85c.

6.0 **Marian.** "S" Lavender pink; "F" deep lavender pink of soft distinct color. Per 100, $18.00; doz., $3.00; 3 for 85c.

Mme. Pacquette. "S" and "F" bright rosy claret; very handsome; early flowering. Doz., $4.50; 3 for $1.25; each, 50c.

7.4 **Queen of May.** "S" Lilac pink; "F" Lilac, blended with white; distinct. Doz., $3.00; 3 for 85c.

WHITE

8.0 **Fairy.** Beautiful white with blue border and veinings. One of the indispensables. Doz., $2.50; 3 for 65c.

7.6 **Florentina Alba.** Large pure white fragrant flowers. Doz., $2.00; 3 for 85c; per 100, $12.00.

7.8 **Jeanne d'Arc.** Flowers large, petals broad, of a fresh clear lilac. "S" Ruffled, spreading in manner of Japanese Iris; "F" Pure white, bordered lilac, 3 ft. Per 100, $15.00; doz., $2.50; 3 for 65c

7.4 **Mme. Chereau.** One of the most beautiful of its class. The flowers are pure white, with a broad and irregular border of clear blue, and are borne on strong upright stems that are often from two to three feet tall. Per 100, $10.00; doz., $2.00; 3 for 55c.

IRIS—Continued

8.6 **Mrs. H. Darwin.** "S" Clear waxy white; "F" White, violet veins. Per 100, $10.00; doz., $2.00; 3 for 55c.

Queen Emma. "S" and "F" pure white faintly flushed blue; long tapering standards and very long falls; possessing a pleasing fragrance. Doz., $7.50; 3 for $2.40; each, 75c.

8.4 **Rhein Nixe.** "S" White, very large; "F" Rich violet purple with distinct narrow white edge. A charming flower. Scarce. Beautiful in massed effects. Doz., $4.50; 3 for $1.25; each, 50c.

8.3 **White Knight.** A beautiful absolutely snow-white Iris without markings of any kind; delicately sweet-scented. A vigorous grower. It fulfills in every way its worthy name. Doz., $10.00; 3 for $2.65; each, $1.00.

VARIOUS IRIS

SIBIRICA Orientalis. (Yale Blue.) A slender, graceful tall-growing Iris, with deep blue flowers. Doz., $2.40; 3 for 65c.

Snow Queen. Snow-white flowers borne on strong erect stems. Doz., $2.40; 3 for 65c.

PUMILA Hybrida. Dwarf variety of German Iris, growing about 8 inches high, very free-blooming, sweet scented. These bloom about two weeks before the German Iris. Cyanea. Rich royal purple with black shading. 3 for 55c; doz., $2.00; per 100, $10.00.

IRIS

5310 **Kaempferi (Japanese Iris).** The seeds we offer have been saved from our own unrivalled collection, and should produce only varieties of the highest merit. Seed of slow germination. Pkt., 10c.

Plants, *3 for* **85c;** *doz.,* **$3.00;** *100,* **$18.00.**

HESPERIS MATRONALIS (Sweet Rocket)

Deliciously sweet scented flowers for garden or cutting. Sow in Spring in boxes and transplant in April or May—or sow in open ground in April for later bloom.

5276 **Purpurea.** Purple. Pkt., 10c.

5277 **Alba.** White. Pkt., 10c.

HEMEROCALLIS (Yellow Day Lily)

The Day Lilies are magnificent hardy plants and are undoubtedly among the finest plants for ordinary garden culture, as they will grow anywhere in either partial shade or full sun. The flowers are produced in spikes of from six to a dozen blooms, opening in succession, and are very useful when cut for indoor decoration. Good for borders, shrubberies, wild garden or naturalizing in grass.

—**Aureole.** Orange shade with crimson.
Plants, *3 for* **65c;** *doz.,* **$2.00;** *100,* **$10.00.**

—**Critrina.** June-July. Pale Citron yellow. 2 ft.
Plants, *3 for* **65c;** *doz.,* **$2.00;** *100,* **$10.00.**

—**Flava.** July-Aug. Yellow. 3 ft.
Plants, *3 for* **65c;** *doz.,* **$2.00;** *100,* **$10.00.**

—**Kwanso, fl. pl.** June-July. Coppery red double. 3 ft.
Plants, *3 for* **65c;** *doz.,* **$2.00;** *100,* **$10.00.**

—**Sovereign.** June-July. Chrome yellow. 3 ft.
Plants, *3 for* **65c;** *doz.,* **$2.00;** *100,* **$10.00.**

HEUCHERA (Alum Root)

They are of the simplest cultivation, and thrive well in ordinary garden soil. Their dainty sprays of rose carmine flowers make them invaluable for cutting.

5279 **Sanguinea.** 2 ft. July-Aug. Long stems of large crimson-scarlet flowers. Splendid for cutting. Pkt., 25c.

—**Brizoides Gracillima.** May-June. Rosy Carmine. 2 ft.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

—**Nancy Perry.**
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

HIBISCUS (Rose Mallow) 3 to 5 Ft.

Noble shrub-like plants, with handsome green foliage, bearing throughout summer large bright flowers, from 3 to 5 inches in diameter. Very hardy. Suitable for garden and indoor use when cut.

5281 **Crimson Eye.** Creamy white flowers, large crimson center. Pkt., 10c.

5282 **Golden Bowl.** Deep cream, with a velvety maroon center. Pkt., 10c.

5283 **Moscheutos (Rose Mallow).** Very showy pink flowers. Pkt., 10c.

5284 **Mixed Mallow Marvels.** Grand assortment. Pkt., 10c.

Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

LATHYRUS Latifolius (Perennial Pea)

HIBISCUS—Continued

5285 **Mallow Marvels, red,** very choice. Pkt., 15c.

Plants, *3 for* **$1.00;** *doz.,* **$3.50;** *100,* **$18.00.**

—**Mallow Marvels. Pink.**
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

—**Mallow Marvels. White.**
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

HOLLYHOCK

One of the best hardy garden flowers. Makes a charming hedge or background. Hollyhock rust is the bane of every person who tries to grow hollyhocks. There is no remedy, but much can be done to prevent it and reduce the damage by spraying the plants with Bordeaux mixture. 6-8 feet. Aug. to Sept.

Double Varieties

5286	White	5290	Salmon
5287	Maroon	5291	Yellow
5288	Rose	5292	Crimson
5289	Black	5293	Blood-Red

Each color, pkt., 10c.

—**Yellow, Maroon, Pink, White or Red.**
Plants, *3 for* **85c;** *doz.,* **$3.00;** *100,* **$15.00.**

5297 **Newport Pink.** The finest pure pink, exquisite shade. Pkt., 15c.

5299 **Allegheny Mixed.** Flowers come single, semi-double and double, seldom less than 5 inches across, and are beautifully fringed. They are perpetual bloomers, two to four buds forming at the base of every leaf, where the old-style Hollyhocks have but one or two. These buds open in succession, prolonging the flowering season until autumn. Pkt., 10c.

Plants, *3 for* **85c;** *doz.,* **$3.00;** *100,* **$15.00.**

5300 **Vaughan's Prize Mixture.** Finest shades in perfect flowers. Pkt., 10c.

Single Varieties

More permanent and hardy than the double and when planted with a deep green background, such as arborvitae hedge, they afford a most striking effect. Fine among shrubbery and will last for years when once established.

5301	Red	5305	Rose
5302	Pink	5306	White
5303	Black	5307	Salmon
5304	Flesh		

Each, pkt., 10c.

5308 Mixed. Pkt., 10c.

HYACINTHUS

5309 **Candicans.** White Yucca-like flowers. Very decorative. Pkt., 10c.

HYPERICUM (St. John's Wort)

A splendid new shrub-like plant of pendulous spreading habit. The flowers are golden yellow over 2 inches in diameter, like immense single buttercups. A most desirable plant for sunny situations.

—**Moserianum.** July-Sept. Golden yellow. 3 ft.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

Vaughan's Perennial Flower Seeds and Plants

LUPINUS POLYPHYLLUS

IBERIS (Perennial Candytuft)

Dwarf evergreen plants, 6 to 10 inches, covered with blooms in spring and early summer. Excellent for rockeries or borders where bright dwarf masses are wanted.

5312 **Gibraltarica.** Pinkish white. Pkt., 10c.

5313 **Sempervirens.** Flowers form a sheet of whiteness. Pkt., 15c.

INCARVILLEA

5314 **Delavayi (Hardy Gloxinia).** 2 ft. June. Splendid gloxinia-like flower borne in large bright rose umbels. Likes a sunny situation. Pkt., 10c.

LATHYRUS Latifolius

Hardy Pea

Very decorative climbing vines of the Pea family, for growing on fences, trellis, etc., as floral screens and for cutting. Blooms all summer.

5316 **Albus.** 6 ft. Pure white. Pkt., 10c.

5317 **Pink Beauty.** Pale pink variety. Pkt., 10c.

5318 **Rubra.** Bright rosy crimson. Pkt., 10c.

5318a **White Pearl.** Large-flowering white. Pkt., 15c.

5319 **Mixed.** The above colors. Pkt., 10c.

LAVENDULA

Delightfully fragrant flowers, much used when dry on account of their sweet odor.

—**Vera.** (True Lavender.) June-Aug. Blue. 2 ft.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

LINARIA (Toad Flax)

Showy free flowering plants of a trailing habit. Good for borders, window boxes, or rockeries.

5323 **Cymbalaria (Kenilworth Ivy).** 3 in. Dainty lilac and orange; flowers throughout summer; trailing habit. Pkt., 10c.

LINUM (Flax)

5326 **Perenne.** 2 ft. Pearly blue flowers. A graceful hardy perennial. Pkt., 10c.

5327 **Album.** Milk white flowers, very decorative. Pkt., 10c.

5328 **Mixed.** Pkt., 10c.

5328a **Flavum.** 1 ft. Yellow. Pkt., 10c.

LOBELIA

5329 **Cardinalis (Cardinal Flower).** 2 ft. July-Oct. Brilliant fiery scarlet flowers, prefers moist position. Pkt., 10c.

LUNARIA

5331 **Biennis (Honesty or St. Peter's Penny).** Flowers white, followed by silvery seed pods, prized for winter decoration. Pkt., 10c.

5332 **Alba.** Pure white. Pkt., 10c.

LUPINUS (Lupin)

Most beautiful hardy border plants producing tufts of soft green foliage, from which arise in continuous succession the stately spikes of bloom.

5333 **Polyphyllus (Old - fashioned Garden Lupin).** Blue. 3 ft. Stately spikes of blue, flowers all summer. Pkt., 10c.

5334 **Albus.** Large pure white spikes. Pkt., 10c.

5335 **Roseus.** 4 ft. Light and dark rose flowers on long stem; fine for cutting. Pkt., 15c.

5346 **Mixed.** Splendid value. Pkt., 10c.

5347 **Arboreus, Snow Queen.** 4 ft. The beautiful white Tree Lupin, forms a bush like a flowering shrub. Pkt., 10c.

LYCHNIS

5348 **Chalcedonica (Jerusalem Cross).** 3 ft. June-Aug. Burning Star. Flowers which are of the most fiery red imaginable, appear in clusters, each individual blossom forming a perfect maltese cross. Will bloom from seed the first year. Pkt., 10c.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

5348a **Chalcedonica Alba.** White. Pkt., 10c.

5350 **Alpina.** 4 in. Clusters of rose colored flowers, dwarf. Pkt., 20c.

5351 **Fulgens.** Bright scarlet. Pkt., 10c.

5353 **Haageana Hybrids.** Mixed, ranging from nearly white to bright scarlet. Pkt., 10c.

5354 **Viscaria Splendens.** 1½ ft. Makes large clumps of almost evergreen foliage. Comes into bloom in early June and continues for six weeks or more. Its flowers are bright crimson; useful for cut-flowers. Without doubt one of the finest red-flowered hardy perennials. Pkt., 10c.

LYTHRUM

5357 **Roseum Superbum.** 4 ft. A native perennial, good for massing, flowers rosy-lilac produced on long slender spikes. Pkt., 10c.

MICHAELMAS DAISY—See Aster

MYOSOTIS (Forget-Me-Not). 4 to 9 in.

The true forget-me-nots—a lovely dwarf plant for damp places, spreading rapidly and carpeting the ground. Makes excellent edgings and carpetings for beds or borders of perennial plants. We list the seeds of Alpestris varieties among annuals as they are better treated as such by those who have no hot bed or cold frame accommodations for wintering the yearling plants.

5359 **Dissitiflora.** Rich blue, early and compact. One of the best. Pkt., 10c.

5360 **Palustris.** The true Swamp Forget-me-not. Pkt., 20c.

5361 **Semperflorens.** Dwarf blue, in flower from early spring until autumn. Pkt., 20c.

5362 **Vaughan's Early and Late Flowering.** The flowers are borne on long, stiff stems. The blossoms are the most exquisite sky blue with a delicate white center. Plants may be in bloom at any time of the year. Pkt., 10c.

5363 **Ruth Fisher.** It is of particularly neat and compact habit, and the lovely blue flowers shoot up strongly over the glossy dark green foliage. Pkt., 25c.

OENOTHERA (Evening Primrose)

Showy and beautiful plants for borders, beds, etc., flowering from June to October.

5365 **Fraseri.** Rich golden yellow flowers. Pkt., 10c.

5365a **Lamarkiana.** 2 ft. Large flowered, yellow. Pkt., 10c.

5366 **Youngei.** Yellow. Pkt., 10c.

MERTENSIA (Blue Bells or Virginian Cowslip)

A lovely plant for choice spots in borders, or rock gardens, preferring a southwest aspect; will thrive in any good soil and in the shade.

—**Virginica.** May-June. Light blue. 18 in.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

MINT

Old fashioned hardy useful plant. 4 in. pots.
Plants, *3 for* **65c;** *doz.,* **$2.00;** *100,* **$10.00.**

ORIENTAL POPPY

MONARDA (Bergamot or Bee Balm)

Fine for naturalizing in woods and shrubbery; bearing large whorls of flowers and fragrant foliage; good for bees. Sandy loam and sunny position. Fine for masses.

—**Didyma.** June-Sept. Brilliant scarlet. 3 ft.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

NEPETA

These little plants give clouds of bright blue flowers all summer. Makes a fine permanent edging and an excellent rock plant.

—**Mussini.** May-Sept. Light blue. 1 ft.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

PACHYSANDRA

Small whitish flowers in May, which are insignificant, deep, green evergreen foliage, after the Helleborus type but much smaller; unsurpassable where an evergreen carpet is required. Looks well on graves, around shrubs and under trees, thrives anywhere.

—**Terminalis.** May. White. 4-6 in.
Plants, *3 for* **85c;** *doz.,* **$2.50.**

PAPAVER (Poppy)

5367 **Nudicaule (Iceland Poppy).** 15 in. **Mixed.** Elegant free flowering plants bearing flowers in abundance all summer. Pkt., 10c.

5368 **Nudicaule Yellow.**

5369 **Orange.**

5370 **White.** Any color. Pkt., 10c.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

5371 **Double Mixed.** Extra fine strain. Pkt., 15c.

5372 **Bracteatum.** 3 ft. Scarlet. Pkt., 10c.

ORIENTALE—(Oriental Poppy)

For gorgeous coloring the Oriental Poppies have few rivals among hardy plants. They produce magnificient effect in shrubberies and herbaceous borders, while for cutting they are invaluable. 3 ft.

5373 **Annual Oriental.** A new strain of the Oriental Poppy, which will bloom the first year, if sown early. Pkt., 25c.

—**Royal Scarlet.**
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

5374 **Princess Victoria Louise.** Large flower, soft lilac rose color. Pkt., 15c.

5375 **Oriental Red.** Very striking color. Pkt., 10c.

5376 **Oriental Hybrids, Mixed.** Pkt., 10c.

PENTSTEMON (Beard Tongue)

The pentstemons bloom persistently through the summer, and are found very useful for cut-flowers, or for color masses in the garden. Easily grown in any garden soil.

5377 **Pubescens.** Rosy purple. Pkt., 10c.

5380 **Large Flowering Newest Hybrids.** A splendid assortment of colors. Pkt., 15c.

5381 **Digitalis.** 2 ft. June-July. Purple and white. Pkt., 10c.

Vaughan's Perennial Flower Seeds and Plants

STATICE Latifolia

PHLOX (Hardy)

5382 (Decussata.) Perennial varieties mixed from a celebrated collection. Seed slow in germination and may not sprout in a year. Pkt., 10c.

PHYSALIS

5385 **Franchetti (Chinese Lantern Plant).** 1½ ft. Flowers yellow with dark center. Produces balloon like husks, which turn bright red when ripe and resemble Chinese paper lanterns. Pkt., 10c.

PHYSOSTEGIA (False Dragon Head)

Fine for a cool situation and rich, light soil, bearing erect spikes of pretty feather-like flowers. Useful for borders, wild gardens and for cutting.

5386 **Virginica.** Dense bushes with spikes of delicate pink tubular flowers. 3 ft. June to Sept. Pkt., 10c.

5387 **Alba.** White. 3 ft. June to Sept. Pkt., 10c.

Plants, *3 for* **85c;** *doz.*, **$2.50;** *100*, **$15.00.**

—**Grandiflora.** June-Sept. Pink. 3 ft.

Plants, *3 for* **85c;** *doz.*, **$2.50;** *100*, **$15.00.**

PLATYCODON (Chinese Moon Flower)

Very handsome border plants of the Campanula family, the flowers in bud having the appearance of inflated balloons, they flower from June to September.

5391 **Grandiflorum.** Large handsome deep blue flowers. Pkt., 10c.

Plants, *3 for* **85c;** *doz.*, **$2.50;** *100*, **$15.00.**

5392 **Album.** Pure white. Pkt., 10c.

Plants, *3 for* **85c;** *doz.*, **$2.50;** *100*, **$15.00.**

5393 **Mariesii.** 1 ft. Deep blue flowers, dwarf. Pkt., 10c.

5394 **Mariesii Alba.** White. Pkt., 10c.

POLEMONIUM (Jacob's Ladder)

5395 **Coeruleum (Greek Valerian).** 2 ft. Beautiful sky-blue spikes. Pkt., 10c.

5396 **Grandiflorum Album.** Pure white. Pkt.10c.

POTENTILLA (Cinquefoil)

5397 **Formosa.** Strawberry-like foliage, with cherry rose colored flowers in summer. Pkt.10c

5399 **Single Mixed.** All colors. Pkt., 10c.

5400 **Double Mixed.** All colors. Pkt., 20c.

POPPY—See Papaver

PRIMULA (Primrose)

These Hardy Primroses are among our most delightful spring flowers. They require a partially shaded location.

5401 **Auricula.** 6 in. Flowers in early spring in colors of yellow, brown and red. Pkt., 10c.

5402 **Japonica, Mixed.** Pkt., 15c.

5404 **Veris (Elatior).** The pale yellow Oxlip, bearing flowers in umbels. Pkt., 10c.

5405 **Grandiflora.** An extra choice large-flowered mixed strain. Pkt., 20c.

Plants, *3 for* **85c;** *doz.*, **$2.50;** *100*, **$15.00.**

—**Rheingold.** June-July. Orange and yellow. 10 in.

Plants, *3 for* **85c;** *doz.*, **$2.50;** *100*, **$15.00.**

PUERARIA (Kudzu Vine)

5410 **Thunbergiana (Kudzu Vine or Jack-and-the-Bean-Stalk).** 50 ft. Flourishes where nothing else will grow. The large bold leaves of the brightest green afford a dense shade. Its greatest feature is its wonderful strong growth. Pkt., 10c.

PYRETHRUM (Painted Daisy)

One of the most valuable of our early summer flowers. Charming color, and wonderful lasting properties as a cut flower; flowers in May and June, and frequently in August and September; in all shades of rose and pink.

5411 **Roseum, Double Mixed.** Extra choice, selected seed. Only a small percentage will be double, balance will be semi-double and single in fine variety. Pkt., 25c.

Plants, *3 for* **85c;** *doz.*, **$2.50;** *100*, **$15.00.**

5412 **Roseum, Single Mixed.** Pkt., 10c.

5413 **Roseum Hybridum Grandiflorum. Single Mixed.** Pkt., 15c.

—**Uliginosum.** 4 ft. Large giant daisy-like flowers, in great profusion.

Plants, *3 for* **85c;** *doz.*, **$2.50;** *100*, **$15.00.**

RANUNCULUS (Buttercup)

Acris is the well-known double yellow buttercup so effective either as a cut flower or grouped in the Hardy borders. Repens is a showy plant bearing rosettes of double yellow button-like flowers during May and June. Likes a shady or partial shady situation in rich soil.

—**Acris fl. pl.** (True Buttercup). May-June. yellow.

Plants, *3 for* **$1.00;** *doz.*, **$3.50.**

ROMNEYA

5419 **Coulteri (California Tree Poppy).** 5 ft. Flowers all summer. Beautiful snowy white fragrant flowers. Pkt., 15c.

RUDBECKIA (Cone Flower)

The Rudbeckias are very decorative plants for shrubberies, flower borders or side of carriage drives, thriving in any good garden soil. Golden Glow is perhaps the best known kind, although they are all worthy of a trial, especially the Purpurea for its wine-red color.

5422 **Fulgida,** yellow. Pkt., 10c.

5423 **Large Flowered Yellow.** Pkt., 10c.

5424 **Newmanii.** 3 ft. Rich golden yellow with central black disc. Pkt., 10c.

5425 **Purpurea Grandiflora, Syn., Echinacea Purpurea (Purple Cone Flower).** 3 ft. September; large handsome crimson-purple flowers with dark central disc. Pkt., 10c.

—**Laciniata fl. pl.** (Golden Glow). July-Oct. Yellow. 5-7 ft.

Plants, *3 for* **85c;** *doz.*, **$2.50;** *100*, **$15.00.**

SALVIA

Beautiful plants, with long spikes of tubular blue flowers. Leaves of Officinalis used for seasonings and dressings. Pitcheri makes a grand showing in the fall and is without a doubt one of the best of all Autumn blue flowers.

5426 **Argentea.** 3 ft. Silvery-white foliage, pyramids of white flowers. Pkt., 10c.

5427 **Azurea Grandiflora.** 4 ft. Sept.-Oct. Stately willow-like growth, spikes of pale blue flowers. Pkt., 10c.

5428 **Patens.** 2 ft. Large rich pure blue flowers. Pkt., 25c.

—**Pitcheri** (Meadow Sage). Sept.-Oct. Deep blue. 3½ ft.

Plants, *3 for* **$1.00;** *doz.*, **$3.50;** *100*, **$18.00.**

—**Officinalis.** (Common Sage.)

Plants, *3 for* **65c;** *doz.*, **$2.00;** *100*, **$12.00.**

SAPONARIA

5433 **Ocymoides Splendens.** 6 in. A showy dwarf trailing plant, producing a sheet of vivid crimson flowers. Pkt., 10c.

SCABIOSA (Pincushion)

5434 **Caucasica.** Flowers on long stem; fine for cutting. Pkt., 15c.

5436 **Japonica.** 2 ft. Lavender blue flowers. Pkt., 10c.

SEDUM

Fine plants for rock-gardens, ruins, banks and walls, preferring open, loamy soil and stones. They will, however, flourish anywhere in city or country and stand dry weather. They are especially suited to sunny locations.

—**Acre.** (Golden Moss.) May-June. Bright yellow. 3 in.

Plants, *3 for* **85c;** *doz.*, **$2.50;** *100*, **$15.00.**

—**Brilliant.** June-July. Scarlet. 12 in.

Plants, *3 for* **85c;** *doz.*, **$2.50;** *100*, **$15.00.**

—**Rubrum.** June-Aug. Brilliant red. 18 in.

Plants, *3 for* **85c;** *doz.*, **$2.50;** *100*, **$15.00.**

SEDUM SPECTABILE

SILENE (Catchfly)

Useful plants for front row of Herbaceous border, bearing quantities of bright flowers.

5439 **Orientalis.** 8 in. Handsome rosy pink flowers. Pkt., 10c.

5440 **Schafta.** 4 in. July-Oct. Bright rose; one of the best Autumn border plants. Pkt.15c.

SOLIDAGO (Golden Rod)

5442 **Canadensis.** 3 ft. Gracefully arched sprays of golden yellow flowers. Pkt., 10c.

SPIRAEA (Meadow Sweet)

Filipendula fl. pl. is good for front row in hardy border or edging. Graceful plants, both in flower and foliage. The graceful plumes of Venusta are a handsome sight when in full bloom.

—**Filipendula fl. pl.** (Dropwort.) June-July. Double white. 18 in.

Plants, *3 for* **$1.00;** *doz.*, **$3.50.**

STACHYS

5443 **Lanata.** Grown for the effect of its dwarf, white wooly foliage; the flower spikes should be removed. Pkt., 10c.

STATICE (Sea Lavender)

Large spreading panicles of light graceful flowers much prized for winter decoration dried.

5444 **Latifolia.** 2 ft. Dense branching plumes of deep blue flowers. Pkt., 10c.

Plants, *3 for* **85c;** *doz.*, **$2.50;** *100*, **$15.00.**

STOKESIA (Stokes Aster)

5446 **Cyanea.** 18 in. July-Oct. Flowers rich blue, like a giant cornflower, very distinct. Pkt., 10c.

5447 **Cyanea Alba.** The white companion of the preceding. Pkt., 10c.

5448 **Mixed Colors.** Pkt., 10c.

THALICTRUM (Meadow Rue)

These stately plants should be more grown on account of their finely cut foliage, which much resembles that of Maiden-hair Ferns. Dipterocarpum is a beautiful and rare plant bearing light sprays of lilac flowers.

5449 **Adiantifolium.** 9 in. June-July. Finely cut maiden-hair-like foliage, with light plumes of small whitish flowers. Pkt., 10c.

Plants, *3 for* **85c;** *doz.*, **$2.50;** *100*, **$15.00.**

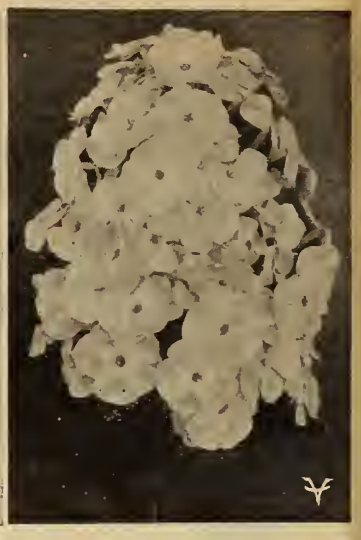
5450 **Dipterocarpum (New).** 4-5 ft. A new introduction from China. Very graceful plumes of rosy purple flowers and conspicuous yellow anthers. Pkt., 25c.

Plants, *3 for* **$1.00;** *doz.*, **$3.50;** *100*, **$20.00**

RHEINLANDER

MISS LASSBERG

EUROPA


ANTONIN MERCIE

VAUGHAN'S HARDY PHLOX

Phlox Decussata

THIS is one of the most useful flowers for summer decorations, the colors varying from pure white to deep crimson. They are not at all particular as to soil, and are exceedingly hardy. To obtain good results it is wise to manure the soil well and give them a fairly open situation, and an occasional soaking of water during very dry weather. Once planted, they require no further attention for several years, but it is advisable to renew them about every fifth year.

The flowering period is from the early part of July to the middle of September and they grow to heights varying from 1 to 3 and even 4 feet. If the first flower spikes are cut off as soon as over, and the plants are given a good soaking, a second crop of bloom extending until late in the fall may be expected.

Our collection contains the finest of the new introductions. The colors are very beautiful and striking, and the individual flowers are in many cases twice and thrice the size of older varieties.

Antonin Mercie. A beautiful grayish lilac with white center. A favorite among the light varieties.
Per doz., $2.40; 3 for 85c; 100, $15.00.

Crespuscule. Large cherry-red center, edged pale violet pink. The individual florets and spike are immense.
Per doz., $3.60; 3 for $1.00.

Eclaireur. (Tall.) Brilliant rosy magenta with large, lighter halo.
Doz., $2.40; 3 for 85c.

Europa. White, distinct carmine eye, large flower. A general favorite.
Doz., $3.60; 3 for $1.00.

Geo. A. Strohlein. (Medium.) Beautiful novelty; scarlet-orange flowers, with bright carmine eye; extra large flowers and clusters.
Doz., $2.40; 3 for 85c.

Grideur. (Medium.) White ground, overlaid bright carmine-rose, dark carmine eye; large flowers; extra fine.
Per doz., $3.60; 3 for $1.00.

Independence. (Tall.) Pyramidal trusses of pure white flowers; early.
Doz., $2.40; 3 for 85c.

Maculata Alpha. (Suffruticosa.) Early variety with dark pinkish mauve flowers, stems usually spotted and slender.
Per doz., $2.40; 3 for 65c; 100, $15.00.

Miss Lassberg. The purest snow-white in cultivation. Extra fine. Large open truss, ideal as a cut flower.
Per doz., $3.60; 3 for $1.00; 100, $20.00.

Miss Lingard. (Suffruticosa.) Pure white; the earliest of all. Blooms all summer; good for cut flowers.
Per doz., $3.60; 3 for $1.00; 100, $20.00.

Mrs. Jenkins. A very free flowering early variety of medium height producing immense panicles of pure white flowers.
Per doz., $2.40; 3 for 65c; 100, $15.00.

Rheinlander. A new variety of great beauty, a rare shade of salmon pink intensified by a distinct caret-red eye. Flowers and truss of unusual size.
Per doz., $3.60; 3 for $1.00; 100, $20.00.

Rhynstrom. Beautiful rosy-pink color not unlike that of Paul Neyron rose. A good strong grower and very free flowering.
Per doz., $3.60; 3 for $1.00; 100, $20.00.

R. P. Struthers. Rosy carmine with claret eye.
Doz., $3.00; 3 for 85c; 100, $15.00.

Thor. (Medium.) A splendid new variety of a lovely shade of deep salmon pink, suffused and overlaid with a scarlet glow.
Doz., $4.00; 3 for $1.25.

W. C. Egan. (Medium.) Delicate lilac-pink with solferino eye; fine.
Doz., $3.60; 3 for $1.00; 100, $20.00.

MIXED. 1 year field-grown plants of a choice mixture of colors. Named varieties. Our selection.
Doz., $2.40; 3 for 65c; 100, $15.00.

Special Offer: No. 106. One each of 10 varieties, our selection from above. All distinctly labeled for $2.50 by express, not prepaid.

Special Offer: No. 106A. One each of 6 varieties (six plants), our selection. Distinctly labeled for $1.50 postpaid.

Special Offer: No. 106 B. Two plants each of 3 varieties (six plants), three distinct colors, our selection, for $1.25 postpaid.

Dwarf and Alpine Phlox

THESE are remarkable for their dense prostrate habit and mass of bloom in spring and early summer. They are splendid subjects for the fronts of borders and graves. They are quite distinct from the Phloxes offered on this page.

—**Divaricata Canadensis.** One of our native species which is worthy of extensive planting, commencing to bloom early in April and continuing through May with large fragrant lavender flowers on stems 10 inches high.
Per doz., $1.75; 3 for 65c; 100, $12.00.

—**Subulata Alba.** A compact mass of elegant prostrate foliage, dainty white flowers in May and June, height 4 in.
Per doz., $3.00; 3 for 85c; 100, $16.00.

—**Subulata Rosea.** Same as above but with dainty pink flowers. This and Alba are fine for graves.
Per doz., $3.00; 3 for 85c; 100, $16.00.

TARRAGON

—**True.** Used for cooking purposes. Large clumps. (This variety does not produce seed.)
Plants, *3 for* **85c;** *doz.,* **$2.50.**

THERMOPSIS

5451 **Caroliniana.** A showy, tall growing plant, attaining a height of 3 to 4 feet, producing long spikes of yellow flowers in June and July. Pkt., 25c.
Plants, *3 for* **85c;** *doz.,* **$2.50.**

TRILLIUM (Wake Robin)

One of the most beautiful of our native flowers. Hardy everywhere. Should be planted in partial shade. Splendid for naturalizing in moist shaded places. Flowers are pure white.

—**Grandiflorum.** May-June. White. 12 in.
Plants, *3 for* **65c;** *doz.,* **$1.50;** *100,* **$8.00.**

TRITOMA (Torch Lily, Flame Flower Red Hot Poker)

Very handsome and showy border plants Flowers borne in compact form on stout 3 and 4-foot stems, having the appearance at a distance of orange and red colored spear heads. Require protection during winter, unless in a very sheltered position.

5454 **Uvaria Grandiflora.** 4 ft. Aug.-Nov. The ordinary red Tritoma. Pkt., 10c.

—**Pfitzeri.**
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

VALERIANA (Garden Heliotrope)

5456 **Rubra.** 2 ft. Sweet scented red flowers. Pkt., 10c.

5457 **Alba.** Pure white flowers. Pkt., 10c.

VERONICA (Speedwell)

Among the prettiest of herbaceous plants, bearing in most cases blue flowers, which are much needed.

5460 **Spicata.** 2 ft. July-Aug. Small spikes of rich blue flowers. Pkt., 10c.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

5461 **Perennial Varieties Mixed.** Pkt., 10c.

—**Amethystinum.** June-July. Blue. 2 ft.
Plants, *3 for* **85c;** *doz.,* **$3.00;** *100,* **$15.00.**

—**Spicata Alba.** June-July. White. 18 in.
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

VINCA (Periwinkle, Grave Myrtle)

Valuable for rockeries or makes a grand evergreen carpet under and about shrubs and trees.

—**Minor (Grave Myrtle).** 4 in. June. Green foliage, large blue flowers.
Plants, *3 for* **65c;** *doz.,* **$2.00;** *100,* **$12.00.**

VIOLA (Violet)

5471 **Single.** Deep blue, common single violet. Pkt., 10c.

—**Cuculata.**
Plants, *3 for* **65c;** *doz.,* **$2.00;** *100,* **$10.00.**

YUCCA (Adam's Needle)

5472 **Filamentosa.** 5 ft. June-July. Handsome, creamy white flowers, much branched and densely packed with bloom, with the sword-like foliage. Pkt., 10c.

—**2 year.**
Plants, *3 for* **85c;** *doz.,* **$2.50;** *100,* **$15.00.**

—**3 year.**
Plants, *3 for* **$1.25;** *doz.,* **$4.00.**

Special Offer of Perennial Seeds: Any 3 10c pkts. for 25c. Any 2 15c pkts. for 25c.

MME. DE VERNEVILLE

FELIX CROUSSE

FESTIVA MAXIMA

EDULIS SUPERBA

Vaughan's Peonies

PEONIES, especially the modern introductions, are probably the most valuable, and most beloved of all perennial plants. Planted in sun or semi-shade, in single clumps or long beds, or bordering lawns, shrub rows, and carriage drives, they give a grand display of large fragrant blossoms of brilliant colors during June, followed by their exquisite foliage which is very ornamental during summer months. They are also most effective for home and table decorations, and last longer in water than many other perennials. Avoid buying cheap Peonies; they require just as much care as the better kinds, and are disappointing in the end. We grow only varieties that we have thoroughly tested at our trial grounds, and here offer the grandest Peonies in commerce.

Planting—Peonies may be planted in the fall or spring, but fall planting has many advantages. Orders should be sent in at once so that we can forward when weather permits. Avoid planting too deeply, as this is often the cause of the shy blooming; 2 or 3 inches of soil over the crown (eyes) being sufficient. After planting give a heavy mulching of **rotten** stable manure, and do not transplant the clumps for at least 5 years, and then only if very necessary.

We only offer these in divided roots with from 3 to 5 eyes, and since Fall planting of peonies is preferable to Spring planting, we only offer a limited number of varieties.

Avalanche (Albatre) A magnificent variety which opens like a rose. Pure white with a few pencilings of carmine on the edge of center petals. A truly magnificent variety; fragrant; crown type; late midseason. **$1.00.**

Duchess De Nemours. (Calot.) Flowers of this splendid Peony are cup-shaped, crown type, sulphur-white, with greenish reflex, fragrant. It is an early and free bloomer coming into flower a few days after Festiva Maxima. **60c.**

Duke of Wellington. A very large, vigorous, tall growing variety with flowers of enormous size, with high built centers, 2 rows of large broad guard petals of pure snow-white, while center of the flower is sulphur-yellow. Flowers are borne on strong upright stalks, are fragrant and freely produced; late midseason. **75c.**

Edulis Superba. This is one of our earliest varieties, usually coming into bloom on Decoration Day. Color is a bright clear mauve-pink, with silvery reflex. Flowers are of large size and very fragrant. **60c.**

Felix Crousse. This is probably one of the best red peonies, being of a rich even shade of dark red. Flowers are large, globular and freely produced; rose type flower, late mid-season. **$1.00.**

Festiva Maxima. This is probably the most popular and beautiful white peony. Flowers are of immense size, often 7-8 inches in diameter. The edges of center petals are dotted with carmine spots. It is a free and willing bloomer and quite early. **75c.**

Louis Van Houtte. Color bright violaceous-red, semi-rose type flowers; very free; late mid-season. **65c.**

Marechal Vaillant (Grandiflora Rubra.) Very large, compact globular flower. Light red; very tall and late. An excellent variety. **75c.**

Mad. De Verneville. This is probably the freest blooming of the white peonies. The flowers are of bomb type, pure white suffused with blush. The plants are very vigorous, very free and early blooming. The flowers are sweet. **75c.**

Meissonier. Bomb type; midseason. Very brilliant crimson; full double flowers on stiff, wiry stems. The coloring is wonderfully rich and brilliant. In the Chicago cut-flower markets this peony is known as the American Beauty Peony on account of the resemblance in color to the rose of that name. **75c.**

M. Jules Elie. This is by many considered the most beautiful of all peonies. The flowers are of immense size, globular in form. The color is a glistening lilac-pink, shading to deeper rose at the base. The whole flower is overlaid with a sheen of silver. **$1.50.**

President Taft. A vigorous, strong grower, a profuse bloomer, every shoot being crowned by a big bloom. The flower is really of enormous size; there may be peony flowers as large, but none larger. The color is a delicate hydrangea-pink, completely enveloped in a halo of angelic white. The fragrance is delicious. It is certainly a glorious, gorgeous flower, very large and double. **$2.00.**

Queen Victoria. Guard petals milk-white, tinted flesh, center creamy-white with crimson spots, large globular flower, on stems of medium height, free bloomer, midseason. **60c.**

Souvenir de l'Exposition Universelle. Rose type; late midseason. Very large; flat flower of violet-rose with silvery reflex and distinctly tipped silver; fragrant; free-bloomer, with spreading habit. **75c.**

Triomphe de l'Exposition de Lille. Large, imbricated flower; soft carnation pink, with white reflex, carmine center, very fresh coloring. One of the best. **75c.**

Officinalis Rubra Plena. This is the old-fashioned red, the most brilliant of all red peonies; early and splendid cut-flower. **75c.**

PEONY COLLECTIONS

Divided Roots

PEONY COLLECTION (A)

Festiva Maxima. White. **Triomphe de l'Exposition de Lille.** Pink.
Felix Crousse. Red.
One each of above, **$2.00**; by mail, postpaid, **$2.15.**

PEONY COLLECTION (B)

The above 3 in Collection (A) and
Duchess de Nemours. White. **Louis Van Houtte.** Red.
Souvenir de l'Exposition Universelle.
One each of above 6, **$3.75**; by mail, postpaid, **$4.00.**

PEONY COLLECTION (C)

One each of above 6 and
Avalanche. White. **M. Jules Elie.** Pink.
Officinalis Rubra Pl. Early red.
One each of above 9, **$6.40**; by mail, postpaid, **$6.85.**

These Peony Collections cannot be changed and are net (without discount).

VARIOUS PEONIES

Double White. Divided roots. Each, **50c** **Double Pink.** Divided roots, Each, **50c**
Double Red. Divided roots. Each, **60c**

DISCOUNT ON PEONIES

Orders amounting to over **$5.00** and less than **$10.00** are subject to **10%** discount for cash with order.
Orders over **$10.00** and less than **$15.00** are subject to **12%** discount for cash with order.
All orders of **$15.00** and over are subject to **15%** discount for cash with order.

ROSE PREMIER

VAUGHAN'S ROSES

WE again take pleasure in submitting our revised list of roses, some splendid new American Novelties of approved merit having been added, and some of the older ones discarded. We grow roses for stock purposes only, not for a cut-flower trade. Our bushes are therefore not exhausted by bearing a quantity of flowers and consequently produce stronger wood, which is selected for the propagation of our young stock. These are grown under the personal supervision of an expert, **are wintered** in a temperature as low as is essential for their successful culture, and are strong bushy plants, with clean, healthy, well ripened wood

All orders are handled and packed by experienced hands, and we guarantee safe arrival by express. With special fast train service in every direction from Chicago, our mail and express pakages of all greenhouse plants are much more satisfactorily handled **than from cities less centrally located.**

Ask for our pamplet, **"How to be Successful With Roses."**

Prices on Roses—Each from 2½-inch pots includes prepayment.

Larger lots and size go by express at buyers' expense.

Novelties for 1923

ANNIE LAURIE. This new rose is best described by saying it is a Double Mme. Butterfly, with a deeper pink color that gradually fades into a tinge of gold at the base of each petal. It has twice the petalage of its parents and is more productive. Very strong grower with large handsome foliage free from mildew. Has been awarded Certificate of Merit and First Prize at all the flower shows where it has been exhibited.

Price, own roots, 2½-inch strong plants, each, **$1.00; doz , $10.00.** Ready **May 1st.**

SOUVENIR DE CLAUDIUS PERNET. Color most striking sunflower-yellow, deeper in the centre without any color blending, and which is retained without fading even in the warmest weather. A vigorous grower of erect branching habit, beautiful brilliant green foliage, long pointed buds of exquisite shape, carried on long stiff stems Very large full flowers with elongated deep petals A beautifully formed bloom. It was awarded the Gold Medal at the Bagatelle Garden trials in 1920 and in the same year also received the Gold Medals at the Rose Show in Paris and at Antwerp

Price, strong 2½-inch pot plants, each, **$1.50.** Ready **May 1st**

Choice Hardy Hybrid Tea Roses

Price, except where noted, from 2½-inch pots, each, **25c; doz , $2.50.**
From 4-inch pots, each, **50c, doz . $5 00.**

Columbia. A true pink, deepening as it opens to a glowing pink A peculiarity of the variety is that the shades all become more intense until fully open Strong grower, sending up numerous stiff stems of good length with fine foliage free from mildew.

Cynthia Fords. Color a deep, brilliant rose shading on the back of the petals to a light rosy-pink The flowers are large, full, of perfect form and great substance, very free-flowering and fragrant. A strong grower with heavy foliage.

Gruss an Teplitz. In color it is of the richest scarlet shading to a velvety crimson, very fragrant, a free strong grower and in bloom all the time. This rose should be in every garden as it succeeds under the most ordinary conditions.

Kaiserin. This splendid rose should be in every collection. In color it is a soft pearl white tinted with just enough lemon in the center to relieve the white, remarkably fragrant, beautifully formed flowers on long graceful stems, a strong, free, healthy grower. One of the best for out-door planting.

Killarney White. A pure white sport of the famous and popular Killarney rose, identical in every way with its parent excepting in color.

Mrs. Aaron Ward. Few roses attract so much attention as this beautiful variety. The flowers which are of splendid form, full double are equally attractive when in full bloom as in the bud stage; in color a distinct Indian yellow, shading lighter towards the edges; under certain weather conditions the entire flower will sometimes come a yellow tinted white, but it is beautiful under all color variations; a strong, vigorous, but compact grower and free bloomer.

Price, from 2½-inch pots, each, **30c; doz., $3.00.**
From 4-inch pots, each, **60c; doz., $6.00.**

RADIANCE. Brilliant rosy-carmine shaded with rich opaline-pink tints in the open flowers, which is large, full, of fine form, with cupped petals; a constant bloomer, producing strong, upright canes and an excellent keeper in summer.

RED RADIANCE. A bright, cheerfull and even shade of pure red. Size, foliage, growth and habit same as in the parent "Radiant;" a splendid bloomer and fine variety for outdoor planting.

Sunburst. A magnificent rose. The color is orange-copper or golden-orange with a deep orange center. Buds, long and pointed, borne singly on long stout stems opening full and double. Strong grower and adapted for forcing and out-door growing.

Price from 2½-inch pots, each, **30c; doz., $3.00.**
From 4-inch pots, each, **60c; doz., $6.00.**

W. R. Smith. Although not new, this is a most desirable ever-blooming summer rose, and as a bedder is without a peer. The flowers are creamy white, shaded pink, and are produced with the greatest freedom. It makes a beautiful cut flower. This is one of the roses that should be in all gardens, large and small.

SPECIAL OFFER No. 90. One each of the above 10 Roses
From 2½-inch pots, postpaid, **$2.00.**

SPECIAL OFFER No. 90A. One each of the above 10 Roses
From 4-inch pots, by express, for **$4.00.**

391 Broad Street, Meriden, Conn., April 18, 1921.

Vaughan's Seed Store:
A year ago last fall I ordered Japanese Iris seed from three different firms. Two days ago I transplanted the seedlings. From the seed bought from one firm I had one plant, from another sixteen plants, but from yours thirty-six plants. Yours truly,
FRANCES R. IRES.

Vaughan's Unrivaled Collection of Hardy Roses

Among garden lovers no hardy plants are so generally popular as the Hyhrid Perpetuals, often called June Roses. Once established they are strong and hardy growers, bearing large globular flowers While severe weather does not kill them, some protection in the way of a moderate covering of rotted straw, light manure or leaves is very advantageous, and necessary around Chicago Masses of these roses may be grouped in separate colors in garden beds or borders with very striking effect, and for decorative cut bloom, though they do not possess all the delicate tints found in the Hyhrid Tea Roses, still a table or room may be effectively decorated in one or two colors because of their grand size and form.

The roses offered here are budded low on Mannetti or Dog rose stocks and are generally known as budded roses, Plant so that the bud is three inches below the surface of the ground. Early Spring planting is essential.

ROSES demand reasonably free watering, and frequent spraying with Hellebore and Bordeaux Mixture for insects and fungus will be found beneficial They thrive best with application of manure water, and at least two applications of bone meal (two pounds per square yard) prior to blooming time

Price, 2-year dormant up to **May 1st, each, $1.00; doz., $10.00,** postpaid.
2-year potted plants, ready **May 1st, each, $1.50; doz., $15.00,** by express

ANNA DE DIESBACH (Glory of Paris.) Most lovely brilliant carmine, long, pointed buds, and large, finely formed, compact flowers; very full and double and delightfully sweet. A vigorous grower and fine bloomer One of the hardiest of the well-known, desirable roses

FRAU KARL DRUSCHKI (White American Beauty). This pure white variety has long immense buds and perfectly double flowers. For bedding and for cutting it is the finest in its class.

GEN. JACQUEMINOT. Bright shining crimson, shapely buds and handsome blooms. The Jack Rose is noted for its good qualities.

GEORGE ARENDS (Pink Frau Karl Druschki). A beautiful clear pink variety; different in color from any other rose, a free-bloomer and one of the best.

GRUSS AN TEPLITZ. In color it is the richest scarlet, shading to a velvety crimson; very fragrant; a free, strong grower and in bloom all the time. This rose should be in every garden, as it succeeds under the most ordinary conditions

J. B. CLARK. This splendid rose is placed among the Hyhrid Teas: but it is perfectly hardy, unusually large and expresses in every way the characteristics of the Remontant type. It is robust in growth, with clean heavy foliage. Flowers are large and superbly constructed; deep scarlet overlaid crimson.

MAGNA CHARTA. Deep pink, large sweet-scented and of fine form; one of the hardiest roses in cultivation and commonly planted.

MRS. JOHN LAING. One of the finest roses of its class. It is very free-flowering, commencing to bloom early in the season and continues to bloom profusely until late autumn. Color a soft delicate pink with a satiny sheen very fragrant.

PAUL NEYRON. This magnificent rose is by far the largest variety in cultivation; very double and full; of a beautiful deep rose color and delightfully fragrant; borne on vigorous upright stems in great abundance.

PERSIAN YELLOW. (Austrian Briar). The Hardy Yellow Rose of olden times. Deep golden yellow, semi-double and very hardy, suitable for planting in old-fashioned gardens and among shrubs.

Price, 2-year dormant, up to May 1st, each, **$1.00; doz., $10.00,** postpaid.
2-year potted plants, ready May 1st, each, **$1.50; doz., $15.00,** by express.

ULRICH BRUNNER. A rose of beautiful form and finish, very striking from its color of brilliant cherry-crimson. The bush is vigorous, blooming continuously in the open air and displaying its superb, glowing flowers on good strong stems.

SPECIAL OFFER No. 90B. One each of the above 11 roses in 2-year dormant plants for **$8.50,** postpaid.

SPECIAL OFFER No. 90C. Our selection of 5 roses from above list for **$4.00,** postpaid.

SPECIAL OFFER No. 90D. One each of the above 11 roses, 2-year potted plants, ready **May 1st,** for **$13.00,** by express.

NEW AND RARE ROSES

ANGELUS. White with cream-tinted center. A big rounded rose, like Premier in form, but with a higher center; very lasting and fragrant. Foliage dark-green, disease-resistant. A vigorous, upright grower and free in bloom. Resembles Kaiserine, but is quite full, 40 to 45 petals and unlike Kaiserine it blooms freely in winter and is a good keeper. Was awarded Certificate of Merit of the Chicago Flower Growers' Association in 1921; also Silver Medal of the New York Flower Show, spring 1921.
Price, from 2½-inch pots, each, **35c**; doz., **$3.50.**
From 4-inch pots, each, **75c**; doz., **$7.50.**

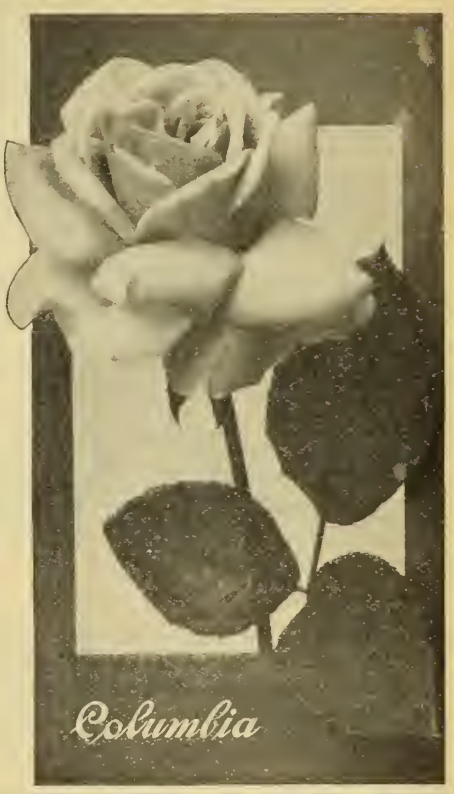
GOLDEN OPHELIA. (Hybrid Tea). A distinct novelty. This is a seedling from the well known variety Ophelia. It is a sturdy stiff stemmed grower with beautiful foliage, quite closely set and glossy. The flower is of medium size forming a beautiful bud of bright golden yellow; a profuse bloomer. We are very enthusiastic over this beautiful true yellow novelty which will rank high in its class.
Price, from 2½-inch pots, each, **30c**; doz., **$3.00.**
From 4-inch pots, each, **60c**; doz., **$6.00.**

MME. BUTTERFLY. A glorified sport of Ophelia with all the colors of Ophelia intensified, making it a harmony of bright pink, apricot and gold. A free grower and bloomer with large handsome foliage free from mildew.
Price, from 2½-inch pots, each, **30c**; doz., **$3.00.**
From 4-inch pots, each, **60c**; doz., **$6.00.**

PREMIER. A clear pure shade of rose-pink; deep rose-pink in cooler weather. Its freedom of bloom and quick succession of crops makes this a most productive variety. Strong grower with breaks coming quickly, producing strong, stiff thornless stems with heavy foliage.
Price, from 2½-inch pots, each, **30c**; doz., **$3.00.**
From 4-inch pots, each, **60c**; doz., **$6.00.**

LOS ANGELES. Color a flame-pink tones with coral and shaded with translucent gold at the base of the petals. Strong grower with stems as long as anA merican Beauty. The flowers are as large as Paul Neyron, forming long and pointed buds; its freedom and continuance of bloom is remarkable.
2-year dormant up till May 1st, each, **$1.25**; doz, **$12.00.**
2-year potted plants ready May 1st, each, **$1.75**; doz., **$18.00.**

SPECIAL OFFER No. 91. One each: Golden Ophelia, Mme. Butterfly, Premier and Angelus.
From 2½-inch pots, postpaid, for **$1.00.**



Dwarf Polyantha Roses

These are entirely distinct from the larger flowered sorts, as flowers are borne in clusters of from 10 to 25 individual flowers. If planted in masses of 25 or more together, will make a very effective border.

CECILE BRUNNER. The delicate buds are of perfect form, shading a deep salmon pink and showing a rich orange center, turning to a pale flesh color when fully open.

CLOTHILDE SOUPERT. Pearly white, shading to pure rose-pink. Being the introducers we take pride in having select stock that will bloom continually during the summer.

VAUGHAN'S WHITE BABY RAMBLER. Pure snow white flower about one inch in diameter. The foliage is dark and glossy and finely cut.
Price, 2½-inch pots, each, **25c**; doz., **$2.00**; per 100, **$12.00.**
From 4-inch pots, each, **50**; doz., **$5.00.**

SPECIAL OFFER No. 91A. One each of above 3 roses. From 2½-inch pots, postpaid, for **60c.**

SPECIAL OFFER No. 91B. One each of above 3 roses. From 4-inch pots, by express, for **$1.25.**

CRIMSON BABY RAMBLER. Still a favorite. The flowers are borne in clusters of 30 to 40, and the foliage is dark, glossy and profuse. A large bed in our grounds was constantly in bloom until November, even in the hottest weather.

ORLEANS. Brilliant geranium-red suffused rose and deep cerise. Bushy habit; grows and blooms freely; florets not crowded, but of beautiful arrangement and most lasting quality with their stiff, paper-like texture. The showiest and prettiest of the pink "Baby" class. Awarded Gold Medal.
Price of above 2 roses, 2-year dormant, each, **$1.00**; doz., **$10.00.**
2-year potted plants ready May 1st, each, **$1.50**; doz., **$15.00.**

Vaughan's "Bargain" Collection of Roses

Ready after MAY 20th, 1922.

No. 91C.....10 plants.....2½-inch pots.....10 varieties for $1.50, postpaid
No. 91D.....10 plants.....4-inch pots.....10 varieties for $3.50, by express

VAUGHAN'S HARDY CLIMBING ROSES

THE demand for climbing roses has always been constant, and the eagerness of the public for "something new" has stimulated the enthusiasm of the hybridists, with the result that year after year improved forms are being presented for awards before various committees of the keenest judges. but it would be impossible for us to list all that have gained recognition. The rose-covered cottage still carries the charms of romance and sentiment, that it has done for hundreds of years. For twenty years our greenhouses have specialized on all these beautiful climbers, and here we offer "all the best."

Note.—The abbreviations used in some of the following descriptions denote:
(C. P.) — Climbing Polyanthus-flowered; flowers double or semi-double.
(Cl. H. P.)—Climbing Hybrid Perpetual.
Dormant Roses will be supplied up to May 1st. After that date we can only supply potted plants as offered.

CLIMBING AMERICAN BEAUTY (Cl. H. P.) A free climber of excellent habit. Strong and vigorous in growth, making heavy canes from 10 to 15 feet in a single season. Rosy-crimson flowers, produced freely in June and occasionally throughout the season. Very fragrant.
Price, 2-year dormant, each, **$1.00**; doz., **$10.00.**
2-year potted plants, each, **$1.50**; doz., **$15.00.**

DR. W. VAN FLEET. A delicate shade of flesh-pink, deepening to rosy-flesh in the center. High center petals beautifully undulated and cupped; buds pointed; flowers full and double, open to an immense diameter; sweetly perfumed; beautiful bronze green foliage. **Price,** 2-year dormant, each, **$1.00**; doz., **$10.00.** 2-year potted plants, each, **$1.50**; doz., **$15.00.**

DOROTHY PERKINS (C. P.) The most popular climbing rose of today, and as hardy as the Crimson Rambler. The flowers are borne in clusters and are very double; the petals are very prettily rolled back and crinkled. The color is a most beautiful shell pink and holds a long time without fading.
Price, 2-year dormant, each, **75c**; doz., **$8.00.**
2-year potted plants, each, **$1.00**; doz., **$10.00.**

EXCELSA (C. P.) A distinct variety in form, color and habit. A vigorous grower. The foliage is dark glossy green. Flowers very double, produced in large trusses, thirty to forty on a stem. The color is intense crimson maroon; points of the petals tipped with scarlet.
Price, 2-year dormant, each, **75c**; doz., **$8.00.**
2-year potted plants, each, **$1.00**; doz., **$10.00.**

FLOWER OF FAIRFIELD (C. P.) Of the numerous varieties raised in the past few years, this is doubtless one of the best. Its flowers, which are produced in profusion, are of a fine crimson color, and more lasting and brilliant than the common Crimson Rambler. The growth is vigorous, flowering freely and continuously throughout the season.
Price, 2-year dormant, each, **$1.00**; doz., **$10.00.**
2-year potted plants, each, **$1.50**; doz., **$15.00.**

PAUL'S SCARLET CLIMBER. (C. P.) This is without question the most important addition to the Climbing Roses in many years; no other rose in any class can compare with it for brilliancy of color, which is a vivid scarlet that is maintained without burning or bleaching until the petals fall. The flowers are of medium size, semi-double, very freely produced in clusters of from three to six flowers each on branched canes, the plants being literally covered with flowers from top to bottom. It is of strong climbing habit and perfectly hardy. This rose has been most highly commended by the English Horticultural press. It was awarded a gold medal by the National Rose Society and an award of merit by the Royal Horticultural Society of England, and was also awarded during the summer of 1918 the much coveted gold medal at the Bagatelle Gardens, Paris.
Price, strong 2-year old dormant plants, each, **$1.25**; doz., **$12 00.**
Strong 2-year potted plants, ready May 1st, each, **$1.75**; doz., **$18.00.**

ROSERIE. This splendid new rose is derived as a sport from Tausendschon, and while showing exactly the same vigorous growth, clean foliage and great freedom of bloom as the parent, its flowers are a deep glowing pink. **Price,** 2-year dormant, each, **$1.00**; doz., **$10.00.** 2-year potted plants, each, **$1.50**; doz., **$15.00.**

TAUSENDSCHON (C. P.) This beautiful variety surpasses all other climbing roses of this section, both in growth, foliage and beauty of blooms. The flowers appear in large clusters from the beginning of June till the end of July. Each individual flower measures about 2 inches across and is of a beautiful soft shell pink, same color as Clothilde Soupert, later on changes to rose carmine.
Price, 2-year dormant, each, **$1.00**; doz., **$10.00.**
2-year potted plants, each, **$1.50**; doz., **$15.00.**

WHITE DOROTHY PERKINS (C. P.) This beautiful rose is the counterpart of the well known Dorothy Perkins, except in the color which is pure white. Already a universal favorite.
Price, 2-year dormant plants, each, **75c**; doz., **$8.00.**
2-year potted plants, each, **$1.00**; doz., **$10.00.**

SPECIAL OFFER No. 91E. One each, Crimson Rambler, Dorothy Perkins, Excelsa and White Dorothy Perkins in 2-year dormant up to May 1st, by express for **$3.00.**

SPECIAL OFFER No. 91F. One each Paul's Scarlet Climber, Flower of Fairfield and Tausendschon in 2-year dormant up to May 1st, by express for **$2.75**

Climbing Polyantha and Noisette Roses

CLIMBING CLOTHILDE SOUPERT. (Cl. Tea). It is a vigorous grower, forming canes 15 feet in one season, and covered with large clusters of flowers all summer. Flowers are large, double and beautiful shell pink, forming the buds in clusters. **Price,** 2½-idch, each, **25c**; doz., **$2.50.** 4-inch, each, **50c**; doz., **$5.00.**

CLIMBING MME. CECILE BRUNNER. (Cl. Tea). The blooms are semi-double, bright rose in the center, shading off to pale pink at the edge, and have a delightful fragrance. We can thoroughly recommend this rose. **Price,** 2½-inch, each, **25c**; doz., **$2.50.** 4-inch, each, **50c**; doz., **$5.00.**

MARECHAL NEIL. (Cl. Tea). A most beautiful deep golden yellow, very large and double; deliciously scented, but unfortunately not quite hardy (excepting in the South and on the Pacific Coast). For the walls of a vinery or pillars this is a magnificent rose. **Price,** 2½-inch, each, **30c**; doz., **$3.00.** 4-inch, each, **60c**; doz., **$6.00.**

CHRYSANTHEMUMS

We wish our patrons to note that in our list of Chrysanthemums we do not pretend to have the largest collection of varieties; but we offer those varieties that have proven the best from all sources

Larger quantities by express at buyer's expense.

JAPANESE ANEMONE NOT HARDY

The anemone flowers consist of one or more rows of flat or tubular ray florets, with shorter quilled or tubular disk florets of the same or a distinct color.

Clemencia. Deep pink, shading deeper in the center, and crowded with petals. At first glance it resembles an artificial flower, as petals are very crisp and showy.

Chestnut. Bright orange shading to yellow, tinted with pink as they develop. Center compact.

Coed. White, shading to pale lilac when fully open. Center high and full.

Juno. Deep lilac, shading to white; the center head is loose and graceful and of a deeper shade than the outer petals; magnificent in its coloring.

Maple Leaf. Flowers light yellow overlaid with old rose. Ray florets sulphur-yellow, lightly penciled with old rose. Center pale lemon-yellow, full and high.

Miss Warner. Flesh pink; fine form plants.

Pepita. Pale pink with orange-yellow center; the flower is heavy and of great substance.

Redbird. Blood-red, with center tipped yellow. Center low and full. Florets slightly cupped when fully developed.

Titian Beauty. Color deep, rich bronze, shading in center to scarlet; the most striking of the collection; outer petals reflex, showing the center to advantage.

The Chief. Sulphur-yellow shading to light lemon-yellow; center full and rounded and slightly darker than the ray florets; 3 to 4 inches in diameter. Matures first week in November.

Price, except where noted, **each, 20c; doz., $2.00; 100, $10.00.**

SPECIAL OFFER No. 92. The set of 10 Anemones for $1.75, postpaid.

LARGE-FLOWERED OUTDOOR VARIETIES

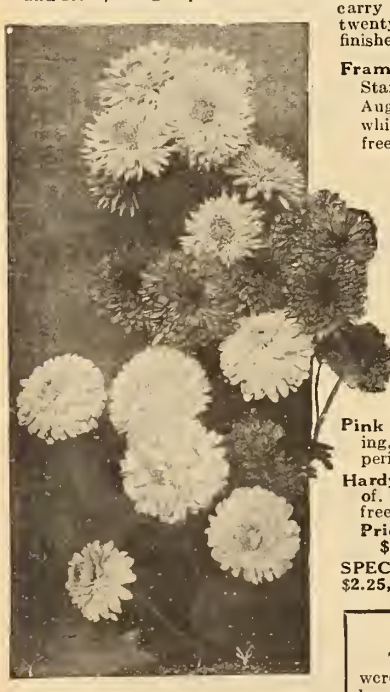
A Chrysanthemum that would flower successfully in the open garden has been wanted a long time, and in the following we offer a set that will furnish an abundance of flowers from August until heavy frost. They grow from 2 to 4 ft. high, thriving in any good garden soil.

A. Barham. A beautiful orange-bronze; the first variety of this color to come into flower. Shows up wonderfully well under light when used as a decoration.

Carpet of Snow. Double pure white star-shaped flowers produced in great abundance. Very early and hardy.

Carrie. Flowering the end of August. Yellow and in cluster form.

Cranfordia. In this variety we have an early-flowering 'Mum that covers every possible point; perfect in flower and stem; foliage up to the flower, and every plant will carry twelve to twenty beautifully-finished blooms.



SMALL-FLOWERING (POMPON) OUTDOOR TYPE

Framfield. Early. Start to flower in August. Large white cluster, very free.

Firefly. A reddish bronze; flowers very early and continues until late frosts arrive.

G. Grunnerwald. A very fine variety of the Japanese section. The flowers average 5 inches; color light pink.

Golden Queen. Large pure golden-yellow.

Le Pactole. Bronzy yellow, large flower; heavy foliage and strong grower. Disbud slightly.

Miss F. Collier. Large white flowers borne on very stiff stems, height about 30 inches.

Normandie. Blush-pink, very dwarf and free-flowering, magnificent variety. The earliest and perhaps the best.

October Frost. Very free; early; pure white.

Pink Harbinger. A fine rose-pink variety; large flowering, coming in bloom early and extending its flowering period late into the fall.

Hardy Pink. This is one of the hardiest varieties we know of. Flowers are a deep rose-pink of medium size; very free-flowering.

Price, except where noted, **each 20c, postpaid; doz., $2.00; per 100, $10.00 (by exp.)**

SPECIAL OFFER No. 92B. Set of above 14 plants for $2.25, postpaid.

All Collections of Chrysanthemum Plants and those ordered at single plant rate go PREPAID.

FOR POT CULTURE NOT HARDY

Following varieties are most adapted for plants of all decorative sizes and are used extensively as conservatory and house plants.

Laelia. Light pink color, uniform when fully developed; makes a good pot plant.

Aug. Dasse. Golden-yellow.

Chieftain. Very pleasing shade of pink. Incurved.

Harvard. Bright crimson.

Mrs. F. Beu. Bronze.

Marion Newell. Pleasing shade of pink.

May Foster. Snow white.

Mutual Friend. Large pure white.

Mrs. Wm. Buckingham (Single). A large flat flower of a lovely shade of rosy pink; keeps well, both on and off the plant.

Old Gold. Deep yellow; large size.
Each, 25c; doz., $2.25; 100, $12.00.

Patty. A beautiful shell-pink Japanese variety, dwarf habit This is very fine, both in color and habit; does not fade. **Each, 25c; doz., $2.25; 100, $12.00.**

Thanksgiving Pink. A clear pink without any shadings; strong compact grower with heavy foliage. Makes a fine pot plant for Thanksgiving. Price, each, **30c; doz., $3.00; 100, $15.00.**

The Bard. Dark crimson, very free-flowering.

Wm. H. Lincoln. Pure yellow.
Each, 25c; doz., $2.25; 100, $12.00.

Price, except where noted, **each 20c postpaid; doz. $2.00; per 100, $10.00.**

SPECIAL OFFER No. 92A. Set of 14 for $2.25, postpaid.

LARGE-FLOWERING OUTDOOR TYPE

MARION NEWELL

SMALL-FLOWERED OUTDOOR VARIETIES

The following varieties are a cross between French sorts and the Hardy English varieties and have gained popularity in this country in recent years, because with slight protection they will withstand our severe winters. Care should be taken to plant these in early spring, so that they may establish themselves sufficiently to withstand the rigors of our winters. Do not plant in the fall.

Bijou Rose. Beautiful rose, free-flowering, dwarf growing

Bronze Queen. Bronze-red underlaid with yellow, changing to orange with yellow showing through. Petals flat, but slightly twisted when matured.

Clarinda. Semi-dwarf, producing erect sprays of an even shade of bronze; a good Thanksgiving variety.

Charlotte. Deep bronze.

Elva. Early white, very free.

Fairy Queen. Very handsome bright pink, large.

Kate Manning. Reddish bronze, very early.

Miss Seeley. White, one of the best earlies.

Uneda. Deep yellow; early.

Zoda. Rose-pink; early.

Yellow Gem. Lemon-yellow; very fine; showy
Each, except where noted. **15c; doz., $1.50; per 100, $8.00 (by exp.)**

SPECIAL OFFER No. 92C. The set of 11 Pompons for $1.35, postpaid.

CAPRICE TYPE NOT HARDY

Originated in France. A new early-flowering strain and ideal for pot culture. Can be planted out in the open ground in May if desired and potted the first part of September, making beautiful specimens.

Butler's Caprice. Flowers deep pink, compact grower.

Katherine Thompson. Bronze and orange; strong grower.

Mrs. Greening. Flowers pink, with lighter shade in center; fine large foliage and strong stem.

Lilac Cap. Pretty lilac-mauve. Dwarf.

Purple Cap. Dwarf compact grower.

Yellow Cap. Bright clear yellow, ball-shaped flowers.

White Cap. Pure white.

Each 20c, postpaid; doz. $2.00; 100, $10.00 (by exp.)

SPECIAL OFFER No. 92D. Set of 7 for $1.00, postpaid.

Franklin, Ohio, March 22, 1921.

The Yellow King Humbert Cannas bought of you were all and more than represented. The immense yellow flowers, splashed with red and some half red and half yellow, with some of the leaves also half and half, attracted much attention. We now have a splendid bed of these gorgeous plants.

Yours truly, J. J. GALLAHER.

SUGGESTIONS FOR COLOR SCHEMES IN GARDENS

An idea which has rapidly spread among flower-loving people is the planting of flowers of one color in a small garden, or if the space allows, to have the corners in separate color scheme. To meet this demand we offer the following suggestions:

These are arranged in order of height of plant, the dwarfest, which may be used for an edge, being first.

Bride's Garden, White—Sweet Alyssum, Little Gem, Verbena, Mammoth White, Astor Branching, White, Phlox Dr. Grandiflora, White, Nicotiana Affinis, Cosmos Early-Flowering, White.

Sunshine Garden, Yellow—Pyrethrum Aureum Golden Feather, Marigold Legion of Honor, Zinnia Mexicana, double; Calliopsis Golden Wave, Sunflower Argyrophylus.

Fire Garden, Red—Phlox Dr. Nana Compacta Fireball, Dianthus Crimson Belle, Linum Grandiflorum Rubrum, Balsam Atrosanguinea, Fl. Pl.; Salvia Drooping Spikes.

Turquoise Garden, Blue—Ageratum Blue Perfection, Nigella Miss Jekyll, Brachycome Iberidifolia Blue, Centaurea Cyanus Double Blue, Aster Branching Purple.

Daybreak Garden, Pink—Portulaca Single Pink, Verbena Mayflower, Dianthus Eastern Queen, Aster Branching, Mary Semple, Cosmos Early-Flowering Pink.

VAUGHAN'S DAHLIAS

In the following list we offer what we consider the very best of the foreign and American Dahlias. We will supply divided field roots of all varieties except where noted as long as they last after which strong plants will be supplied. While roots may generally be planted by April 25th, it is hardly wise to set out the growing plants until **May 10th to 15th,** but with good care and soil, the started plants make such strides of growth as to surpass earlier plantings. Full cultural directions accompany every order.

Please state if you want a substitute if our supply of any is exhausted.

NEW AND CHOICE DAHLIAS

The following Dahlias can only be supplied in strong pot-grown plants.

ATTRACTION. (Peony), Very large perfect and full flowers of a clear lilac rose. A rare color; producing fine flower stems. **Price,** each, **75c;** doz., **$7.50.**

BIANCA. (H, Cactus). Lilac-rose; very free flowering and a wonderful variety for cut-flowers. **Price,** each, **75c;** doz., **$7.50.**

DOROTHY PEACOCK. (Show.) Large perfect-shaped flowers of a bright sea-shell pink color; very early and continuous-blooming. **Price,** each, **50c;** doz., **$5.00.**

F. W. FELLOWS. (Cactus.) Flowers of immense size composed of numerous long narrow incurved petals of a lively orange-scarlet. This is one of the largest and finest autumn shade varieties. Should be in every collection. **Price,** each, **75c;** doz., **$7.50.**

GOLDEN WEST. (Cactus). This is a California variety that is in a class by itself in its color, that rich golden, bronzy-yellow with scarlet shading at the base of the petals and the center. It is a wonderful grower, strong and sturdy with heavy, clean, healthy leaves and branching habits, producing large flowers freely on long stiff stems. The flower is 6 to 8 inches across, the outer petals reflexing somewhat and a full high center, making it very attractive. **Price,** each, **75c;** doz., **$7.50.**

HOCHSAI. (Decorative). A clear golden-orange, darker shaded in center; very free-flowering, early. **Price,** each, **50c;** doz., **$5.00.**

INSULINDE. (Hybrid Decorative). The finest and most artistic Dahlia of distinct form with petals twisted and curled. Stems are 2 to 3 feet long and flowers 9 to 10 inches across. Color rich saffron-yellow, shaded russet-orange. One of, if not the grandest, of Holland's introductions. **Price,** each, **$1.50.**

KALIF. (Cactus). Pure scarlet. A true majestic flower frequently measuring 8 to 10 inches in diameter, strong grower. **Price,** each, **50c;** doz., **$1.50.**

KING OF AUTUMN. (Decorative). An entirely new shade of buff-yellow suffused with orange. The color is unique, flower and foliage of vigorous constitution. A splendid exhibition bloom. **Price,** each, **75c;** doz., **$7.50.**

MILLIONAIRE. (Gold Medal Dalhia). Most delicate lavender with faint pink cast overshading it, the whole having a blending of white. One of the best-known lavender-pink Dahlias; an immense flower that attracts considerable attention. Flowers measure 6 to 9 inches in diameter. **Price,** each, **$2.00.**

PATRICK O'MARA. This sensational new decorative variety was awarded a gold medal by the American Dalhia Society as the best autumn shade variety in existence. The color is an unusually soft and pleasing shade of orange-buff slightly tinged with beautiful deep rose-color. It is very large, 7 to 9 inches in diameter and borne on long, strong, erect stems. It is a strong, vigorous grower and a free bloomer. The giant flowers are well formed while the outer petals are most pleasingly irregular. **Price,** each, **$2.00.**

SPECIAL OFFER No. 93. One each of above 10 Dahlias for **$9.00,** postpaid.

CACTUS VARIETIES

Price, except where noted, each, **25c;** doz., **$2.50.**

Countess of Lonsdale. (Cactus). A delicate apricot shading towards the edges of the petals to carmine-pink. Early and one of the very best.

Charles Clayton. Color is a most intense red

Flora. Ideal white with large flowers on stout stiff stems.

Holsatia. (Cactus). Orange-scarlet.

J. H. Jackson. A perfect gorgeous deep velvety blackish-maroon. Gigantic in size. Every Dahlia lover should grow this variety.

Juliet. Rosy pink tinting lighter towards the center. Very large with long incurved petals.

Lawine. A pure white of good form, very free and early-flowering.

MARJORIE CASTLETON. The best standard pink cactus Dahlia. Very delicate pink, tinting lighter towards the center.

Mrs. Henry R. Wirth. A splendid companion to Countess of Lonsdale, having all the qualities of the former. In color a rich glowing intense scarlet

Rheinkonig. Pure snow-white flowers, splendid form, 5 inches and over in diameter. **Price,** each, **35c;** doz., **$3.00.**

SPECIAL OFFER No. 93A. One each of the above 10 Dahlias for **$2.25,** postpaid.

CHOICE DECORATIVE

Price, each, **35c;** doz., **$3.50.**

AUTUMN GLORY. A soft golden terra cotta color that is rich and pleasing by daylight and very lovely under artificial light.

Delice. The finest pink Decorative Dahlia. Its beautiful soft, yet lively color a glowing rose-pink, borne on long stiff stems. Valuable as a cut flower.

Grand Duke Alexis. Pure white, shading to a most delicate and charming shell-pink. Beautifully quilled and double.

Jeanne Charmet. Bright pink with crimson edges. Flowers 7 to 8 inches in diameter.

LE GRAND MANITOU. Striped and splashed purple on a deep rose colored ground. Flowers of enormous size and perfect form. Strong plants only.

MINA BURGLE. Flowers of gigantic size and remarkable beauty. A most glowing brilliant scarlet.

Mrs. J. C. Vaughan. Lovely bright clear yellow flowers, long stalks, flowers are large and very attractive.

Princess Juliana. A fine white, large and splendid form. Early and free-flowering. Strong stems. Fine for cutting.

Queen Mary. A beautiful pearl-pink of good size with magnificent stem and foliage.

Virginia Maule. A most delicate blush or shell-pink. The immense flowers are borne with stately grace on long erect stems. Blooming early and profusely.

SPECIAL OFFER No. 93B. One each of above 10 Dahlias for **$3.00,** postpaid.

DECORATIVE

Price, each, **25c;** doz., **$2.50.**

Coronna. A pure white, usually from 2½ to 3 inches in diameter, free-flowering.

CHATENAY. Like the rose of that name. Beautiful soft pink and yellow reflex.

David Harum. Bright orange scarlet with deep crimson shadings. Large flat flowers measuring 6 to 7 inches across. Thick wide petals, full to the center.

Henry Patrick. A pure waxy white, blooms very freely, flowers 5 to 7 inches in diameter.

Jack's Discovery. White mottled with violet-rose. Flowers of medium size borne on stiff stems.

Jack Rose. Bright carmine-red overlaid violet, resembling the color of the rose of the same name. A splendid variety for decorative use in the garden.

Lyndhurst. Brightest vermilion; the best bright red for cutting. An early free and continuous bloomer with long straight stems.

GRAND DUKE ALEXIS

Mrs. Chas. Turner. Pure yellow. A strong grower and profuse bloomer.

Mrs. Kentwell. Bright fiery scarlet flowers on long stiff graceful stems

Queen of Yellows. A beautiful clear yellow.

Sylvia. White, shading to soft pink on the outer petals.

Wm. Agnew. The richest shade of intense dazzling red.

SPECIAL OFFER No. 93C. One each of above 12 Dahlias for **$2.50,** postpaid.

SHOW AND FANCY DAHLIAS

Price, except where noted, each, **25c;** doz., **$2.50.**

Show Dahlias are usually of solid color, but in certain varieties the tips of the petals may be of another They are usually round, ball-shaped, and are always beautiful and compact, desirable for cut flowers.

A. D. Livoni. A beautiful soft pink flower with quilled petals.

DREER'S WHITE. Glistening white, resembling in form Grand Duke Alexis; free-flowering. **Price,** each, **35c;** doz., **$3.50.**

ELSIE BURGESS. The color is a delicate white ground, tipped and suffused with a beautiful lavender and faint light pink. The stems are straight and stiff. It is a free-blooming Dahlia and very desirable for cut flower purposes. **Price,** each, **35c;** doz., **$3.50.**

STRADELLA. Rich deep purple crimson; very free-flowering; long stems. **Price,** each, **35c;** doz., **$3.50.**

Yellow Duke. Pure canary-yellow; large size flowers on good, stiff stems.

SPECIAL OFFER No. 93D. One each of above 5 Dahlias for **$1.25,** postpaid.

PEONY-FLOWERED

Price, except where noted, each **35c;** doz., **$3.00.**

Peony-flowered Dahlias are those having irregularly curved and twisted petals and are as beautiful as they are odd.

Jan Olieslagers. Deep primrose yellow; very large and free-flowering.

MADAM VAN BETSTEIN. Rosy-lilac changing to light blue. Strong plants only.

Queen Emma. A charming shade of hollyhock-pink, the inner petals margined with gold. A very large and magnificent sort. **Price,** each, **25c;** doz., **$2.50.**

Queen Wilhelmina. This is a splendid variety of this new type with immense pure white flowers, with yellow center. It is very free-flowering and the flowers are produced on good stems, making a fine variety for garden decoration. **Price,** each, **25c;** doz., **$2.50.**

SPECIAL OFFER No. 93E. One each of above 4 Dahlias for **$1.00,** postpaid.

POMPON DAHLIAS

Price of the following varieties, each, **25c;** doz., **$2.50.**

These can be supplied in strong plants only.

Under this head come those small Bouquet Dahlias that are so popular for cut flowers. Their small size makes them invaluable for bouquets and their range of color is as great as any of the preceding classes.

CARDINAL. Red. Good grower and free bloomer.

Kittle Herman. Deep red, tipped white; very free.

Snow Clad. Small pure white, free-flowering

SPECIAL OFFER No. 93F. One each of above 3 Dahlias for **60c,** postpaid.

SINGLE DAHLIAS

Price, each, **25c;** doz., **$2.50.**

These are rapidly coming into favor every year on account of their profuse blooming and handsome colors, rendering them invaluable for bonquets. We list the following varieties as being the very best as to color and size of flower.

Gold Standard. Pure yellow flowers borne on long graceful stems.

Maroon Century. Beautiful rich maroon, large yellow center. Erect, free-flowering.

Pink Century. Delicate soft pink, similar to Twentieth Century and an equally profuse bloomer, the largest and finest of the set. Strong and vigorous with fern-like foliage.

Praxiteles. Velvet purple, tipped white.

Pres Viger. Rich claret.

Scarlet Century. Brightest dazzling scarlet, golden disc. Immense flowers of fine round form, very profuse in flowering.

White Century. A beautiful snow-white of immense size, 6 to 7 inches in diameter, making a fine show.

SPECIAL OFFER No. 93G. One each of above 7 Dahlias for **$1.35,** postpaid.

DAHLIA ROOTS

Unnamed Double Dahlias. Undivided field clumps in white, pink, yellow, red or variegated good sorts. Each, **35c;** doz., **$3.00,** by express.

Mixed Single and Double Dahlias. Undivided field roots. Each, **25c;** doz., **$2.50,** by express.

Mixed Double Dahlias. Undivided field clumps. Each, **25c;** doz., **$2.50,** by exp.

Dahlia Tubers. In white, pink, yellow, red or variegated. Each, **15c;** doz., **$1.50,** postpaid.

PRICES. All Dahlias listed on this page, each and dozen price include prepayment. Larger lots by Express at Buyer's Expense.

Bedding Plants

For Beds, Porches and Window Boxes

THESE plants, from our own greenhouses, are carefully grown and thoroughly hardened off before being sent out. We pack carefully, and prefer to send by express, as they travel and arrive in better condition.

If wanted by Parcel Post, add for postage:
5c per plant; 10c for three; 20c per dozen.

Unless marked otherwise the first size offered below of each, has been grown in a 2-inch or 2½-inch pot.

Note.—These plants are **ready May 1st**, and should not be planted out of doors earlier than that in the latitude of Chicago or New York.

	Each	Doz.	100
AGERATUM Fraseri. Color deep amethyst-blue; early and continuous bloomer; a compact even grower rarely exceeding 8 inches in height. 2½-inch	$0.20	$0.85	$6.00
ALYSSUM, Vaughan's Little Gem. The best pure white dwarf Alyssum. Height of plant 5 inches	.20	0.85	6.00
ANTIRRHINUM (Snapdragon), Vaughan's Select Tall Strain. The flowers of this new strain are of very large size and are produced on immense long spikes, Pink, red, white, yellow or mixed. 2 inch pots	.20	.85	6.00
ASTERS, Vaughan's Giant Branching. The branching habit is accompanied by great vigor of growth and profusion of bloom. Lavender, red, rose, pink, shell-pink, purple, white, mixed. Transplanted	...	.50	3.00
From 2½ inch pots	.20	.75	5.00
BEGONIA, Glorie de Chatelaine. Silvery pink, compact habit, strong, vigorous grower	.20	1.20	8.00
LUMINOSA. Bright scarlet. Red foliage	.20	1.20	8.00
Prima Donna. Limpid rose, shading to carmine at the center; ever-blooming. 2½-inch	.20	1.20	8.00
Above Begonias from 3-inch pots	.35	2.50	15.00
CALADIUM Esculentum. (Elephant's Ear.) Started plants, 5 inch pots	.35	3.50	....
Started plants, 6 inch pots	.60	6.00	....
Fancy Leaved. (See House Plants.)			
CASTOR OIL BEAN PLANT. (Ricinus) Green or Red. For tropical foliage beds	.25	1.20	8.00
From 4 inch pots	.35	2.50	....
CENTAUREA Gymnocarpa. (Dusty Miller). The gray fern-like leaves make effective contrast border between green lawn and brilliant plants in beds. Grows 10 inches high	.20	.85	6.00
COLEUS. Dr. Ross. A fine variety for decorative purpose. Enormous leaves like a Rex Begonia, but most exquisitely colored, being a blending of yellow, crimson, pink and green. 2¼-inch	.25	1.20	8.00
CUPHEA Platycentra (Cigar Plant.) Flowers tubular in shape. 1½ to 2 inches long, and have 2 bright scarlet wings at the end of each flower. 2¼-inch	.20	.85	6.00
DRACAENA Indivisa. Long green leaves; 2½ inch pots	.20	.85	6.00
From 3 inch pots	.30	2.50	....
From 4 inch pots	.50	5.00	....
5-inch, larger plants, **75c and $1.00.**			

FUCHSIA.

Black Prince. A bright, waxy carmine; tube and petals large and broad, with pale green tips; open pale pink corolla.
Elm City. Sepals a rich crimson; corolla deep purple and very double, free-flowering and easy to grow.
Mrs. E. G. Hill. Compact grower making a nice shapely plant; sepals bright crimson white corolla, double.
Speciosa. Flowers single with pale carmine sepals and deep scarlet corolla.
Trailing Queen. A lovely drooping habit large flowers of rosy-scarlet and volet purple color.

Price, 2½-inch pots	.20	1.50	10.00
SPECIAL OFFER No. 94. One each of above 5 plants for 75c. postpaid.			

GERANIUMS. Green leaved.

Geraniums are the best known and most extensively used of all bedding plants. Our list is limited to a few most serviceable varieties.

Alphonse Riccard. Large brilliant scarlet trusses	.20	1.50	10.00
Beaute Poitevine. A favorite semi-double pink	.20	1.50	10.00
Cousin Janie. Beautiful clear rich pink	.20	1 50	10.00
Lucifer. Double. Glowing scarlet, very large flower heads.	.20	1.20	8.00
La Favorite. The best double white	.20	1.20	8.00
S. A. Nutt. Best dark crimson-scarlet bedder	.20	1.20	8.00
Prices of above, in following sizes:			
From 3 inch pots	.25	2.00	15.00
From 4 inch pots	.35	3.00	22.50
VARIEGATED-LEAVED			
Mme. Salleroi. Green and white leaves. Splendid for borders. 2½-inch	.20	1.00	7.00
PANSY-GERANIUM, (Pelargonium).			
Easter Greeting. Large, bright amaranth red. 4 in.	.30	3.00	....
	.50	5.00	....
Mrs. Layal. A grand variety for house culture. 4 in.	.25	2.50	....
	.40	4.00	....
HELIOTROPE, Centefleur. Dark purple	.20	1.20	8.00
From 4 inch pots	.35	2.50	18.00
Mammoth Mixed	.20	1.00	7.00
From 4 inch pots	.25	2.00	15.00

LANTANAS.

Alba Perfecta. Pure white; compact habits.
Aurora. Large-flowered dark and light shades of pink with yellow center.
Buttercup. (Buttercup yellow.)
Radiation (Tall.) A grand combination of color brilliant and red shading.
Weeping Lantana. A trailing sort for vases and hanging baskets. Delicate rosy lilac flowers borne freely summer and winter.

Price, 2½-inch pots	.20	1.50	10.00
SPECIAL OFFER No. 94A. One each of above 5 plants for 75c. postpaid.			
LOBELIA. Bedding Queen. Bright blue	.20	.85	6.00
MARGUERITE, Mrs. F. Sander. New white	.20	1.50	10.00
From 4 inch pots	.30	3.00	....

BOSTON FERN

	Each	Doz.	100
PANSY. Vaughan's International Mixture. Composed of well rounded, perfect shaped flowers, showing a wide range of colorings and markings	...	$0.75	$5.00
PENNISETUM Rueppelianum. Graceful purple plumes. 12 to 18 inches. For borders of Canna beds	$0.20	1.20	8.00
PETUNIA. For variety of color and effectiveness these have no equals.			
Balcony Queen. Purple with white markings	.20	.85	6.00
Rosy Morn. Rose with white markings	.20	.85	6.00
Snowball. Pure white single	.20	.85	6.00
Single Mixed	.20	.85	6.00
SALPIGLOSSIS. The flowers are tube-shaped, much like Petunia, but rivaling the latter in the beauitful colors displayed.			
From Vaughan's Special Seed	.20	1.20	8.00
SALVIA Splendens (Scarlet Sage). A standard bedding plant that keeps the garden bright with color until late autumn.			
Fireball. Brilliant red. Plant, 18 inches high	.20	1.00	7.00
From 4 inch pots	.30	2.50	15.00
Globe of Fire. Brilliant scarlet	.20	1.00	7.00
From 4 inch pots	.30	2.50	15.00
VERBENA. Most popular garden annuals. For beds, borders, mounds, vases and window boxes it is particularly fine.			
Hybrida. Mammoth pink, purple, scarlet, white or mixed.	.20	.85	6.00
Defiance. Brilliant scarlet	.20	.85	6.00
Lemon Scented. Delightful fragrance	.25	2.00	....
4-inch	.40	4.00	....
Mayflower. Beautiful pink	.20	.85	6.00
VINCA ROSEA. (Periwinkle)	.20	1.00	7.00
Rosea Alba	.20	1.00	7.00
ZINNIAS. These attractive and decorative hardy annuals are most desirable plants for mixed borders or bedding			
Vaughan's Colossal. White, Pink, Purple, Scarlet or Mixed	.20	.85	6.00

House and Conservatory Plants

ASPARAGUS Plumosus and Sprengeri. Each, 2½-inch, **20c;** 3-inch, **30c;** and 4-inch, **40c.**

CALADIUM. Fancy-Leaved. Potted bulbs, ready in May. Wonderful coloring. From 3-inch pots, each, **60c;** 4-inch pots, **$1.00.**

CROTON. Richly colored foliage plants. 3-inch pots, each, **60c;** 4-inch, each, **$1.00.**
Deffenbackia Magnificia (Shining leaves). Green foliage, varigated with white. Each, 3-inch **60c;** 4-inch, **$1.00.**

DRACAENA. Green and Variegated-leaved. We have a splendid collection, well colored. From 4-inch pots, **$1.25.**
Fragrans. An excellent house plant with broad dark green foliage, grows under the most adverse conditions. 3-inch, **$1.00;** 4-inch, **$1.50.**
Lord Wolsley. Rich bronze foliage. Each, 3-inch, **50c;** 4-inch, **75c.**
Massangeana. A beautiful variegated form of Frangans with broad green foliage, broad golden-yellow band through the center of each leaf. 4-inch, **$1.25;** 5-inch, **$2.00.**

FERNS. Nephrolepsis Bostoniensis (Boston Fern). One of the most valuable decorative plants we have. Forms large graceful plants that enable it to retain a leading place among this class of ferns. Of easy culture and thrives to best advantage if located near the sunniest window and occasionally turned. A dutiful attention to watering and general condition will be well repaid. We have a large assortment of sizes and can supply plants from 2½-inch pots, each, **25c;** 3 for **65c;** 3-inch, **35c,** postpaid; 4-inch, **60c;** 5-inch, **$1.00;** 6-inch, **$1.50;** 7-inch, **$2.00;** 8-inch, **$3.00;** 10-inch, **$6.00,** by express not prepaid.
Verona. (Ostrich Plume Variety). Feathered fronds, very graceful. From 2½-inch, each, **30c;** 3 for **75c;** 3-inch, **50c** postpaid; 4-inch, **$1.00;** 5-inch, **$1.50,** by express not prepaid.
Small Ferns for Dishes. Assorted varieties. Each, **20c;** doz., **$1.50.**

FICUS Elastica. (Rubber Plant.) From 5-inch, each, **$1.00;** 6-inch, **$1.50,** by express not prepaid.
Benjamin. Small-leaved, of a drooping habit. Fine for window boxes. 3-inch, **30c;** doz., **$2.50.**
Repens. A trailing variety with small leaves. 3-inch pots. Each, **30c,** doz., **$2.50.**

HYDRANGEAS. Pink, deep rosy pink and white flowers in large clusters. Fine for porch and lawn decoration. Each, **50c** to **$1.00;** specimens in tubs, **$4.00** and **$6.00.**

PANDANUS Veitchii. Green and white. Very showy plant: 4-inch pots, each, **$1.00;** larger sizes. 5-inch, **$2.00;** 6-inch, **$3.00,** by express not prepaid.

SANSEVIERA ZEYLANICA. Variegated plant especially adapted for house decoration. From 4-inch pots, each, **75c,** postpaid.

Prices given on application for filling Window Boxes, Hanging Baskets, etc., with Ferns, Palms, Shrubs and Flowering Plants.

PLANT VAUGHAN'S

Vegetable Plants

PLANT VAUGHAN'S

SEEDLING TRANSPLANT POT PLANT

The above illustration shows the bushy, vigorous growth of a Tomato pot plant compared with a Transplant and Seedling of the same height.

PEPPER. Ready about May 15th.

Crimson Giant, Vaughan's Magnum Dulce and Cayenne. Pimento.

	Prepaid Prices		Not Prepaid	
	Doz.	100	Doz.	100
Transplanted Plants	$0.40	$2.50	$0.35	$2.25
From 2-inch pots. By express only.			.75	5.00

TOMATO. Ready about May 15th.

Crimson Cushion, Earliana, Dwarf Stone, Improved New Stone, Ponderosa, John Baer and Golden Ponderosa.

Transplanted Plants	.35	2.25	.30	2.00
From 2-inch pots. By express only.			.65	4.50

SWEET POTATOES. Ready about May 20th.

Yellow Jersey, Red Jersey. 100 for **$1.50**, prepaid; 250 for **$2.50**; 500 for **$4.50**; 1000 for **$8.00**. By express at buyer's expense.

NOTICE—Although we exercise the greatest care in the packing and dispatch of Vegetable Plants, **we cannot guarantee safe arrival.** Our responsibility ends on delivery to P. O. or Express Office.
No Plants sent C. O. D. and no Pot Plants sent by Mail.

Please Note: Pot Plants **cannot be sent by Mail.**
Transplanted plants **cannot be supplied from New York.**

WITH our extensive greenhouses and frames at Western Springs, Ill., we are able to grow plants in large quantities and of superior quality. Besides which we make emergency contracts for an additional supply to guard against accident to our own crops. **Note dates** at which we ship the different kinds of plants. Please make shipping date on your order to correspond with these and kindly make out your vegetable plant order on a separate sheet. **For southern customers** we make slightly earlier shipments.

Our specialty POT-GROWN PLANTS, carefully grown and hardened off. **We pack carefully for express shipments only.**

CABBAGE.

	Prepaid Prices		Not Prepaid	
	Doz.	100	Doz.	100
Early Sorts. Jersey Wakefield, All Head, Copenhagen Market. **Ready about April 20th.** Transplanted Plants	$0.35	$2.15	$0.30	$2.00
Late Sorts. Premium Flat Dutch, Danish Ballhead. **Ready in May and June.** Transplanted Plants	.35	2.15	.30	2.00
Red Cabbage. Transplanted Plants	.35	2.15	.30	2.00

CAULIFLOWER. Ready in April.

Vaughan's New Snowball.
Transplanted Plants ..... .35 2.25 .30 2.00

CELERY. Ready June 15th.

Early Varieties. White Plume, Golden Self-Blanching, Giant Golden Heart.

Late Varieties. Winter Queen, Easy Blanching.

Strong Plants, 5 kinds, prepaid. Doz., **25c**; 100 for **$1.50.**
Not Prepaid: 100 for **$1.20**; 250 for **$3.00**; 500 for **$5.50**; 1000 for **$10.00.**

EGG PLANT. Ready about May 15th.

Black Beauty and New York Purple Improved.
From 2-inch pots. By express only. .... .75 5.00

HERBS

For flavoring soups, meats, etc., a few pot and sweet herbs are neeessary for every garden. If they are to be used during the winter, the stalks should be eut on a dry day, when not quite in full bloom.

Herbs should be gathered and dried quickly in the shade, then packed closely in boxes away from the action of the elements.
Varieties preceded by an (*) are perennials.

ANISE. Used for garnishing, seasoning and for cordials. Pkt., **10c**; oz., **35c.**

***BALM.** Used for making Balm wine and tea. Pkt., **10c**; oz., **35c.**

BASIL, Sweet. The leaves are used for flavoring soups, stews and highly seasoned dishes. Pkt., **5c**; oz., **25c.**

BENE. The leaves immersed in water make a drink very beneficial in eases of dysentery. Pkt., **10c**; oz., **35c.**

BORAGE. Flowers exeellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. Pkt., **10c**; oz., **20c.**

CARAWAY. Sceds are used for flavoring. Pkt., **10c**; oz., **15c.**

CATNIP OR CATMINT. Grown for bees, also for seasoning. Pkt., **10c**; oz., **60c.**

CHAMOMILE (MATRICARIA CHAMOMILE). The dried flowers possess medicinal qualities. Preseribed as an emetie and vermifuge. Pkt., **10c**; ½ oz., **35c.**

***CHIVES SEED.** Used for seasoning. Pkt., **15c**; ½ oz., **50c**; oz., **90c.** Plants, 3 for **65c**; doz., **$2.00.**

CORIANDER The seeds are used for flavoring. Pkt., **10**; oz., **15c.**

DILL. Leaves are used in piekles and for flavoring soups and sauees. Pkt., **10c**; oz., **15c**; ¼ lb., **30c**; lb., **$1.00.**

***FENNEL, Sweet.** The leaves boiled are used in fish sauees and are beautiful for garnishing. The seeds are used for flavoring. Pkt., **10c**; oz., **20c.**

FENNEL, Florence. An excellent legume with agreeable aromatic flavor, sweet taste and a delieate odor. Very distinct from Sweet Fennel. Height of plant, 2 ft. Directions for culture and use given with each order. Pkt., **10c**; oz., **25c**; ¼ lb., **75c.**

***HENBANE.** The growing plants are said to absorb malaria germs. Pkt., **10c**; oz., **60c.**

***HOP SEED.** Pkt., **10c.**

***HOREHOUND.** The leaves are used for flavoring and also in the manufaeture of cough remedies. Pkt., **10c**; oz., **40c.**

HYSSOP. The tops and flowers are used for Hyssop tea. Pkt., **10c**; oz., **25c.**

***LAVENDER.** The leaves are sometimes used for seasoning, but the plant is chiefly grown for its flowers, which are used in making perfumes. Two kinds.

Lavender (Lavandula vera). True Lavender. Pkt., **10c**; oz., **75c.** Plants, 3 for **85c**; doz., **$3.00.**

Lavender (Lavandula spica). Not quite so strong as above. Pkt., **10c**; oz., **30c**; ¼ lb., **$1.00.**

LAVENDER PLANTS. Give mueh better results than seed. Price, 3 for **85c**; doz., **$3.00**; per 100, **$15.00.**

MARJORAM (Sweet). The leaves and the end of the shoots are used for flavoring in summer and they are also dried for winter use. Pkt., **10c**; oz., **50c.**

***MINT.** For mint saucc and juleps. Strong 4-inch pot plants. Price, 3 for **65c**; doz., **$2.50.** By mail, add **5c** each; doz., **20c.**

PENNYROYAL. Leaves are used for seasoning. It also has medicinal properties. Pkt., **10c**; ½ oz., **50c.**

PEPPERMINT The leaves and stems. are used for flavoring, but partieularly for the distillation of the essence of peppermint. Pkt., **25c.**

PIMPINELLA (Burnet). The young leaves are used as salad; their flavor resembles cucumbers. Pkt., **10c**; oz., **30c.**

ROSEMARY. The leaves are used for seasoning. Pkt., **10c**; ½ oz., **35c.**

***RUE.** For medical purposes; good for roup in fowls. Pkt., **10c**; oz., **60c.**

SAFFRON. Used for coloring and for flavoring. Pkt., **10c**; oz., **25c.**

SAGE, (Holt's Mammoth). The plants are of strong growth, attain a height of 1 ft. the first season and spread so that a single plant eovers a space 3 ft. in diameter; are perfeetly hardy and make a still larger growth the seeond season. Price, 3 for **65c**; 12 for **$2.50**; 100, **$12.00.** By mail, add **5c** each; doz., **20c.**

SAGE SEED. Leaves and tops are used for seasoning and stuffing. Pkt., **10c**; ½ oz., **40c**; oz., **75c.**

SUMMER SAVORY. The leaves and young shoots are used for flavoring, espeeially for boiled stringbeans. Pkt., **10c**; oz., **30c.**

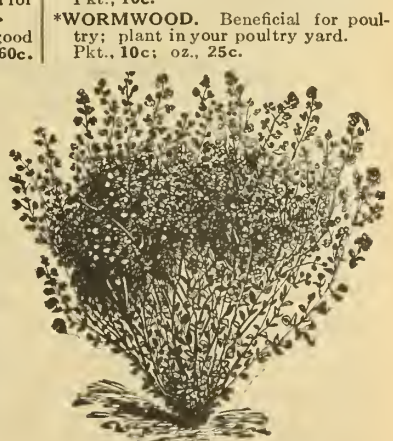
TAGETES LUCIDA. Possesses in its green parts almost exaetly the true Tarragon flavor; of easiest culture. Pkt., **10c**; ½ oz., **20c**; oz., **35c.**

***TARRAGON (Artemisia Dracunculus).** The leaves, dried or fresh, are steeped in ordinary vinegar. Plants only. Price, 3 for **85c**; doz., **$2.50.** By mail, add **5c** eaeh; doz., **20c.**

THYME. Used for seasoning; a tea is also made for nervous headache. Pkt., **10c**; ½ oz., **40c**; oz., **70c.**

WOODRUFF or WALDMEISTER (Asperula odorata). Used in May Wine and also for perfuming clothes. Pkt., **10c.**

***WORMWOOD.** Beneficial for poultry; plant in your poultry yard. Pkt., **10c**; oz., **25c.**



SWEET MARJORAM
(Marjoran, Marjolain)

Giant Hybrid Amaryllis and New Golden Calla

AMARYLLIS—New Hybrids

GIANT-FLOWERED AMARYLLIS

Vaughan's New Hybrids (See illustration).

This selection of giant bloomers in wonderfully varied and brilliant colorings has been made from thousands of seedlings produced from hand hybridized flowers by an expert grower. We have secured the entire supply of large bulbs. For three years past the dark colors, the medium striped and the super-light striped have been separated. We shall soon offer separately, meanwhile these here offered will be found to contain nearly all markings from deep red to near white.

Price, 3-year old bulbs, large size, 7 to 9 inches in circumference, each, **60c**; doz., **$6.00, prepaid**; 25 for **$10.00, not prepaid.**

BELLADONNA MAJOR. Fine variety for fall blooming, very free-flowering and fragrant. Flowers a lovely shell-pink color, stems 2 to 2½ feet high.
Price, each, 35c; doz., $3.50; 25 for $6.75, prepaid.

APIOS TUBEROSA Splendid hardy climber. Will grow to a height of 8 to 10 feet, vine and foliage resembling a miniature Wistaria; are very fragrant and of a deep purple color.
Price, each 10c; doz., 75c; 25 for $1.25, prepaid.

BEGONIAS

Tuberous Rooted. Unexcelled for summer bedding, such as lawn beds and borders. When fully exposed to the sun the beds must be kept moist.

Single Sorts. White, red, orange, salmon, rose, bronze. Doz., **$3.00**; 25 for **$5.00, prepaid.**

Golden Yellow Calla Lily Calla Elliotiana

Though known during war period, bulbs have been so scarce and dear, the plant has not become generally known. We are now having many grown for us in California and can supply now at very reasonable prepaid prices for two sizes.
Bulbs, 1¼-inch, **35c; doz. $3.50; 25 for $6.75, prepaid.**
Bulbs, 1½-inch, **45c; doz. $4.50; 25 for $8.00, prepaid**

CALADIUM Esculentum (Elephant's Ear)

One of the most effective foliage plants for beds and borders. Can be used with good effect as a border for tall-growing Cannas when edged with Coleus or other low-growing foliage plants.

FIRST SIZE. 5 to 7-inch circumference. Mailing weight, 4 lbs. per doz.
Price, each, 10c, prepaid, doz., 75c; 25 for $1.40, not prepaid.
SELECT SIZE. 7 to 9-inch circumference. Mailing weight, 6 lbs. per doz.
Price, each, 15c; by exp., doz., $1.25; 25 for $2.25.
EXTRA LARGE. 9 to 11-inch circumference. Mailing weight, 10 lbs. per doz.
Price, each, 25c; by exp., doz., $2.00; 25 for $3.75.
MAMMOTH SIZE. 12-inch and up circumference, Mailing wt., 17 lbs. per doz.
Price, each, 40c; by exp., doz., $4.00; 25 for $7.75.

(For started plants, May 20, add 5 cents per plant to these prices.)

CINNAMON VINE Well-known hardy climber; quick grower, with beautiful glossy heart-shaped leaves and sweet-scented flowers. Vines will run 25 to 40 feet in a season.
Small roots. Price, 3 for 20c; doz., 70c; 25 for $1.30, prepaid.
Large Roots, 10c; 3 for 25c; doz. $1.00; 25 for $1.90, prepaid.

HYACINTHUS CANDICANS **(Summer Hyacinth).** Perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, 4 feet high.
Price, each, 15c; doz., $1.50, prepaid; by exp., 25 for $2.75.

Why Vaughan's Bulbs are Successful

These bulbs and roots are matured and contain in themselves stored up plant food which brings them into fine flower or handsome foliage when tender plants or seedlings fail to grow or require long time to develop. They give results everywhere.

Prices given for single bulbs and certain dozen prices includes prepayment. Other quantities are not prepaid free unless so marked. See Page 120 for exact particulars.
(Word "Exp" means sent at buyer's expense.)

IPOMOEA PANICULATA **(Mexican Morning Glory.)** Introduced and at present supplied only by us. The vine grows 25 feet long, and the leaves are 10 inches apart, with a cluster of pinkish lavender flowers at each leaf. Keep roots in winter like dahlias.
First Size. Price, each, 35c; doz., $3.50 (exp.)
Extra Size. Price, each, 50c; doz., $5.00 (exp.)

ISMENE CALATHINA Flowers are pure white, borne three or four on a stem, and are very fragrant. Not hardy.
Price, each, 15c; doz., $1.50, prepaid; 25 by exp., for $2.75

MADEIRA VINE One of the best and most popular climbers for foliage effect.
Price, each 10c; doz. $1.00; 25, $1.90, prepaid.

MONTBRETIAS Need the same care as Gladiolus. They are beautiful in the garden as well as for cut flowers. Orange, blush red, dark orange-yellow. **Doz., $2.50, prepaid; per 100, $10.00, not prepaid.**

OXALIS **(Summer Flowering).** These useful little plants are very effective in masses or beds and are particularly valuable for edgings. They produce an unbroken row of foliage about one foot high and continuous bloom. Colors, **white, red, pink. Price,** either color, **doz., 30c; 25 for $1.25, prepaid; 100 for $3.00 by exp.**

ZEPHYRANTHUS One of the prettiest and most easily grown bulbs. Plant in open ground like gladiolus bulbs.
CANDIDA. Pure white and the most profuse bloomer of all.
Price, each, 10c; doz., $1.00; 25 for $1.50, prepaid.
ROSEA. Beautiful clear rose; flowers large and very handsome.
Each, 15c; doz., $1.60, 25 for $3.00, prepaid.

TUBEROSES, Double and Single

Easily recognized by its exquisite fragrance and beautiful flower spikes, which are borne on long stems, making it an admirable cut-flower. If started in warm place in pots, and end of May moved to open ground, can be flowered much earlier.

EXCELSIOR DWARF PEARL Our Excelsior Dwarf Pearl is a special selection, made for many years, of the most dwarf double and full flowered spikes.
MAMMOTH BULBS. Price, each, 15c; doz., $1.25; 25 for $2.35, prepaid.
FIRST SIZE. Price, each, 10c; doz., 75c; 25 for $1.40, prepaid.
SECOND SIZE. Desirable only because of lower price.
Each, 5c; doz., 50c; 25 for 90c, prepaid; 50 for $1.70 by exp.
ARMSTRONG'S EVER-BLOOMING. This variety blooms year after year and has a fragrance similar to the "Jasmine." **Price, each, 7c; doz., 75c, prepaid; 25 for $1.40, not prepaid**
SILVER-LEAVED. An early single flower, with striped leaves, making a grand show with its striking foliage. **Price, 7c; doz., 75c; 25 for $1.40, not prepaid.**
ALBINO. Branching single variety, early.
Price, 7c; doz., 75c; 25 for $1.40, prepaid.

MEXICAN TUBEROSE These come from the high table land of Central Mexico. They have tall, stiff stems, flowers pure white, single true tuberose fragrance.
Price, 5c; doz., 50c; 25 for $1.00, prepaid; 50 for $1.75 by exp.

GOLDEN-YELLOW CALLA LILY

Vaughan's Lily Bulbs

Imported by us from France, Holland and Japan; grown also in U. S.

For Out-door Beds or the Hardy Plant Border

FOR color, fragrance, beauty and variety of form, nothing can equal these grand flowers; whether grown in pots or grouped in the hardy plant border, where their hardiness makes them so desirable, they are always an object of beauty, and by judicious selection one can have a continuous bloom from early summer until fall.

Free pamphlet, "Naturalizing Lilies," ask for it with order.

Outdoor Culture.—When planting Lilies out of doors, see that they have a well drained position, and where they will be shaded from every hot sun. Such places can usually be found around the shrub borders, and in the hardy plant border.

Spade over the ground thoroughly to a depth of 18 inches before planting Lilies and enrich it by adding equal portions of leafmold, peat and rotten manure. Plant the bulb 4 to 6 inches deep, putting some sand under and around the bulbs.

For leaflet "Indoor Lily Culture," write us.

LILY BULBS BY PARCEL POST } For postage zone rates see page 120.

Approximate weights: 8 to 9-inch, doz., 4 to 5 lbs.; 9 to 11-inch, doz., 6 to 7 lbs.; 11 to 12-inch, doz., 9 to 10 lbs.

Lilium Myriophyllum or Regale

A new and rare lily from China. The flowers are white, shading to yellow in the center, with a pink tinge on the outer edges. A strong grower, some 3 or 4 feet high. It is deliciously scented, and it is equally hardy with the others here offered. Each, **60c**; doz., **$6.50.**

Auratum Platyphyllum

This is without a question one of the most wonderful Lilies in cultivation. The leaves are very long and broad and the stems attain a height varying from 7 to 10 feet. The flowers are similar in color to Auratum, heavily spotted, but much larger, the petals more overlapping, and of greater substance.

First Size (8 to 9 inches), each, **50c**; doz., **$5.00.**

Lily of the Valley

Large Clumps. For outdoor planting, clumps are best to plant. They do best in a shady, moist place. We especially recommend the clumps for outdoors, as they give a quicker and better effect at less cost. Each, **75c**, postpaid.

New Iberia, La., June 20, 1922

There was a prize given here yesterday by The Women's Council for the best collection of cut flowers of Gladioli. I got the prize on the flowers from bulbs which I bought from you in the early spring. They were almost all from the Homewood mixture, as my first collection had finished blooming. Respectfully, MRS. H. W. GOULD

Lilium Auratum (As above)

The Gold-banded Lily of Japan

The most beautiful variety of all the Lily family; should be in every garden. Flowers white, dotted crimson, with a clear golden band running through the center of each petal; very fragrant. A splendid lily for planting out in the shrub or plant borders. Its large flowers and delicious perfume make it one of the most valuable of all. It is perfectly hardy with ordinary protection. These bulbs are imported by us from Japan packed in earth. You should plant them at once when received, as when taken from soil and exposed to open air they often decay.

First Size (8 to 9 inches), each, **35c**; doz., **$3.50**; 25 for **$6.75.**
Mammoth (9 to 11 inches), each, **50c**; doz., **$5.00**; 25 for **$9.50.**
Jumbo (11 to 12 inches), each, **75c**; doz., **$7.50.**

Lilium Speciosum (Lance Leaved Lily)

These lilies in two distinct colors, pure white and rich purple striped, are probably the most popular of all, succeeding equally well in open border or in pots. When fully open, the petals recurve gracefully on the flower stem and the top buds open later, giving often two weeks flowering on each plant.

	Each	Per doz.	Per 25
Album. (White.) **First Size** (8 to 9 in.)	$0.40	$4.00	$7.50
RUBRUM MAGNIFICUM. Spotted purple-red with white edges. Most satisfactory of the Speciosum class.			
First Size. (8 to 9 in.)	.35	3.50	6.75
Mammoth. (9 to 11 in.)	.50	5.00	9.50
Jumbo. (11 to 12 in.)	.75	7.50	.....

LILIUM SPECIOSUM RUBRUM

Various Hardy Lilies

	Each	Per doz.	Per 25
Canadense (Meadow Lily). Gracefully drooping bell-shaped, red and yellow flowers	$0.15	$1.60	$ 3.00
Henryi. A rare and very beautiful Lily from China. The flower stalks, 3 to 5 feet high, carry 5 to 8 large flowers each; apricot spotted brown	.60	6.00	11.00
Elegans Mixed. A splendid assortment of this type	.15	1.60	3.00
Hansoni. Flowers reddish orange, 8 to 12 in a cluster; petals thick and durable	.50	5.00	....
Pardalinum—(Leopard Lily). Rich scarlet and yellow, spotted rich brown	.20	2.00	.....
Superbum. The finest of the native lilies. Flowers bright orange, spotted purple	.15	1.60	3.00
Tigrinum Splendens. Very hardy native lily; orange, spotted purple	.20	2.00	3.75
Tigrinum Flore Pleno. The well-known double Tiger Lily. Rich orange, 4 ft	.20	2.00	3.75
Umbellatum. Colors range from deepest red through all shades of crimson, rose, yellow, buff and apricot.	.25	2.50	4.50

Vaughan's Lily Collection. 12 fine kinds, all different, $3.00; 24 bulbs (2 each) for $5.00.

All above prices are at buyer's expense by express, or if by parcel post see top of page for weights, and add postage to your order.

Leguminous Crops

VAUGHAN'S NITROGEN GATHERING PLANTS

SOJA OR SOY BEANS

This valuable legume is attracting more attention each year. Soja Beans is an ideal crop for turning under to improve worn out soils. As a fodder crop it should be fed in conjunction with corn in proportion of one part Beans to five of Corn so as to reduce the excess of protein in the former. It should be cut for hay before the stems become too woody, otherwise the nutritive value of the feed will be endangered. For latitudes north of Chicago, we would advise using Northern grown seed. Seed should be sown in June at the rate of ½ bushel per acre and in drills 30 inches apart.

Ito San. Michigan-grown. ½ pk., **75c**; pk., **$1.25**; bush., **$4.00.** Bags free.

Manchu. Michigan-grown. ½ pk., **75c**; pk., **$1.25**; bush., **$4.00.** Bags free.

Black Beauty. Northern-grown. ½ pk., **75c**; pk., **$1.25**; bush., **$4.00.** Bags free.

Mammoth—Yellow. Southern-grown seed. Use south of middle Illinois. ½ pk., **60c**; peck, **$1.00**; bush., **$3.50.**

A FIELD OF COW PEAS
Ploughed under, a great soil enricher; or cut makes fine hay.

CANADA FIELD PEAS

A valuable crop in the northern states for soiling and for cattle feed. Sown with oats all stock eat the hay greedily and thrive upon it. With the present season's high prices for oats, farmers will find it very profitable to sow these peas along with oats for feed. Sow broadcast, 2 bushels per acre—if sown with oats, use a bushel with 1½ bu. oats. Prices subject to market changes.

Bush., **$4.50**; 100 lbs., **$7.25**; 1000 lbs., **$70.00.** Bags free.

LENTILS

A leguminous annual. Succeeds best in dry, sandy soil. Splendid pigeon food and also used for soups. Sow about 60 lbs. per acre.

Lb., **25c**; 10 lbs., **$2.00.**

SAINFOIN OR ESPARSETTE

An excellent perennial Fodder plant growing about 3 feet high, flowering in June and July. It is adapted to light, chalky soils, being an enriching, heat-resisting Clover; does well in Southern and Western States. May be sown in drills or broadcast. Sow 25 lbs. per acre broadcast, 12 to 15 lbs. in drills.

Price, lb., **30c**; 10 lbs., **$2.25**; 50 lbs., **$10.50**; **100** lbs., **$20.00.**
Grain bags, **40c** each, extra.

LUPINS, YELLOW

Succeeds well on very poor soil and is exceedingly valuable for ploughing under to improve sandy soil. Subject to arrival from Europe. Lb., **30c**; 10 lbs., **$2.25**; 50 lbs., **$9.25**; 100 lbs., **$18.00.**

FARM-O-GERM is a standard brand of the jelly legume cultures made by the Earp-Thomas Corporation, one of the oldest manufacturers in this line. It is particularly valuable, as it retains its life longer than other cultures due to a patented stopper. We can supply cultures for all various legumes—Alfalfa, Clover, Cow Peas, Soy Beans, Sweet Peas, etc. Garden size, (¼-acre), **50c**; 1-acre size, **$1.00**, postpaid; by express, 3-acre size, **$2.50**; 12-acre size, **$9.00.**

Manchu Soja Beans growing in Michigan. The dried seeds mixed with corn are a wonderful growing ration for young hogs.

COW PEAS

Great Soil Improver

The value of cow peas as a soil enricher is now well known. As fast as farmers understand the advantages of this plant as an agency through which the value of their land may be greatly increased, there will be more successful farmers and more profitable farms. It adds nitrogen to the soil at less cost than by any other method. Cow peas make excellent hay. To those in the North who have not had the best success with this plant, we would say that a warm, sandy soil will give best results. Where never grown before, drilling in and cultivating at first, as for field beans, is the best way to start.

Northern Grown Cow Pea—Michigan Favorite. A true early type, so long sought. The best for Northern planting, as it ripens as far north as Central Michigan and Wisconsin.
Peck, **$1.50**; bush., **$5.50.** **Very scarce.**

Southern Black Eye. Peck, **$1.00**; bush., **$3.50.**

Whip-Poor-Will. Peck, **$1.00**; bush., **$3.50.**

New Era. Peck, **$1.00**; bush., **$3.50.**

Prices for All Cow Peas, **35c** per quart of about 2 lbs., postpaid in first three zones.

Write for latest market price on quantity of any of the above. Burlap bags included.

VETCHES

WINTER VETCH. (Vicia villosa) Sand or Hairy Vetch. The winter cover crop. This is a hardy legume sown in the Northern States in the fall months, growing well that season and remaining green all winter. It supplies the place in the North that the less hardy crimson clover does in the South. As a winter cover crop, it prevents washing or leaching of soil and at the same time, being a nitrogen gatherer, enriches the soil. Vetch furnishes a very valuable hay or pasture. Drill for cover crop 10 to 20 lbs. per acre. For hay use 1 bushel per acre.

Price: lb., **35c**; bush.(60 lbs.), **$13.50**; 100 lbs., **$22.00.** Grain bags, **40c** each. Write for latest prices in August. We are direct importers of this seed.

SPRING VETCH OR TARES (Vicia sativa—Oregon Vetch). Sown broadcast at rate of 1 to 1½ bushels to acre, like wheat or barley, and sometimes mixed with oats, for soiling. Valuable for orchards. Used in France and Canada as a substitute for peas. Culture same as field peas.

Per lb., **22c**; bush., **$5.25**; 100 lbs., **$8.50.** Grain bags, **40c** each, extra.

NITRAGIN—Pure Culture

THE IMPROVED GERMAN SOIL INOCULATOR
NOBBE-HILTNER PROCESS
NITRAGIN
PURE CULTURE
THE SIMPLEST SAFEST AND SUREST SYSTEM OF SOIL INOCULATION FOR ALL LEGUMES
AWARDED GOLD MEDAL, ST. LOUIS, 1904

A legume-inoculating material manufactured under a late German (Nobbe-Hiltner) Process. We believe this the best of the many Nitrogen Bacteria Cultures. "Nitragin Pure Culture" is put up in round tin cans, in three sizes—**garden, one-half bushel and one bushel.** Full directions for use with each can. We can offer cultures for all the different legumes, including Alfalfa, Clovers, Cow Peas, Soja Beans, Vetches, etc., etc.

Price, Garden size, 20c; ½ bushel size, 60c; 1 bushel size, $1.00; 5 bush. size, **$4.75. Postpaid.**

Market Subject to Change. Write for Catalogue Prices. (N)

Alfalfa—New Hubam Clover and Miscellaneous SEEDS

ALFALFA OR LUCERNE

No crop pays so continuously and none more abundantly than Alfalfa. Grain bags holding 150 lbs., 40c each, extra.

ON the average, "The Best Paying Crop on the Farm" is the unanimous verdict of the farmers who have been successful in obtaining a stand of alfalfa. The unfailing market demand for alfalfa hay, its value for all stock, especially dairy cattle, its certainty of a fair return during the dry seasons are its great strong points. Success is not difficult. The majority of growers are agreed on the following essentials:

I. A well-drained soil. "Wet feet" kills alfalfa.

II. Well-prepared land — free of weeds, by constant cultivation after plowing to seeding time.

III. Drill seed if possible or cover by dragging.

IV. Innoculate land by one-half wagon load of soil from old alfalfa field or from around the roots of the wild sweet clover or use nitrogin (see page 98).

V. Lime the soil before planting. Two to five tons per acre is usually beneficial on most soils.

VI. Use acclimated seed—northern grown seed if for northern localities.

VII. Sow June 1st to middle of July, alone for Central States. In spring sowing with grain, barley is the most successful nurse crop.

Samples representing identical lots, with our purity and germination test, free on request of intending purchasers.

THE "GRIMM" or EVERLASTING ALFALFA

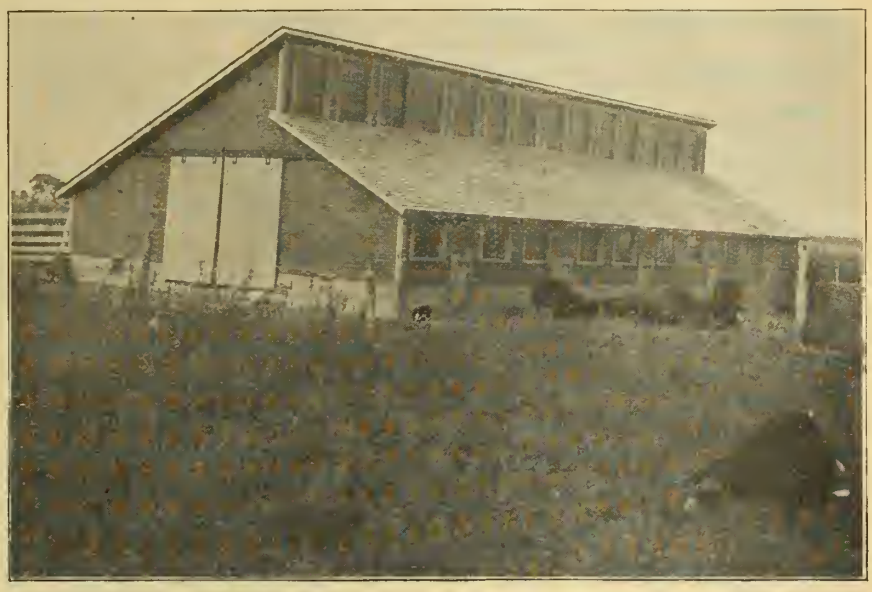
Renowned the World Over for Its Hardiness. Grimm stands in the same high relation to the Alfalfa as Marquis Wheat does to the Wheat Crop. It is a type of Northern origin, consequently has a very wide range of adaptibility and hardiness.

Endures extremes of cold and withstands excessive heat, accepting most all soils and has obtained a reputation for productiveness and hardiness all through the Northwest. The seed is identical with other types of Alfalfa. We offer genuine Grimm Seed from an inspected field in South Dakota. Our customers for Alfalfa in the North who wish to make a beginning will make no mistake in using this. Order early as the true stock is limited. **Lb., 70c; postpaid; 10 lbs., $6.00; bu., $33.50; 100 lbs., $55.00.** Grain bags **40c** each, extra.

WESTERN GROWN MONTANA SEED. This is extra fine, better than 99.5 per cent pure. **Lb., 40c, postpaid; 10 lbs., $3.50; bu., $19.50; 100 lbs., $32.00.** Grain bags holding about 150 lbs., **40c** each, extra.

NEW ALFALFA, COSSACK

A variety brought to this country by Prof. Hanson of North Dakota. Said to be hardier than any variety yet found. We offer a limited amount of seed so our customers may try it. Lb., **90c**; postpaid, 10 lbs., **$7.50**; 100 lbs., **$60.00.**



A Northern Hog-Breeder Starting His Young Pigs on a Grimm Alfalfa Pasture.

DAKOTA GROWN DRY LAND SEED. This is an extra hardy strain of strong vitality and great productiveness. It withstands cold and climatic conditions in a marked degree. In wet weather it yields no seed crop. **Lb., 45c, postpaid; 10 lbs., $3.25, bu., $18.50; 100 lbs., $30.00.**

KANSAS GROWN FANCY SEED. **Lb., 40c, postpaid; 10 lbs., $2.85; bu., $15.50; 100 lbs., $25.00.**
Grain bags holding about 150 lbs., **40c** each, extra.

New Annual Sweet Clover—Hubam—White Blossom

A 40-acre field of Hubam Clover following Iowa 103 Oats on our Michigan farm, Season 1922

AFTER several years trial we believe Hubam Clover is an important and valuable introduction to agriculture. It may be sown in early spring on winter wheat or rye or with spring-sown small grain, preferably with early varieties. The University of Iowa reports a good crop of hay or seed of Hubam sown with Kherson (60-day oats) and on our own farms in Michigan we had good success with Hubam sown with Iowa 103 oats. After the oats are cut the Hubam, even after being topped a little, comes in rapidly, producing a good crop of hay or seed. As a catch crop Hubam is valuable sown alone any time in spring up to July. Where bees are kept Hubam produces a wonderful bee pasture when the honey plants are scarce. At the reasonable price at which we are able to offer seed this year every progressive farmer should try out Hubam and see for himself what this crop will do. Why have land lying idle in grain stubble even for a portion of a year when it might produce a hay or seed crop or crop for turning under?

Michigan grown seed. **Pkt., 10c; ¼ lb., 20c; lb., 50c; 10 lbs., $4.00; 100 lbs., $35.00.**

BIRD SEED

BLUE MAW (Poppy). Per lb., 60c; 5 lbs., $2.50.
CANARY SEED. Lb., 15c; 5 lbs., 55c; 10 lbs., $1.10.
CUTTLEFISH BONE. Per lb., 60c.
HEMP. Per lb., 15c; 5 lbs., 55c; 10 lbs., $1.00.
LETTUCE SEED FOR BIRDS. Per ¼ lb., 10c; lb., 25c; 5 lbs., $1.00.
MILLET, Fancy Re-cleaned. Per lb., 12c; 10 lbs., 65c.
BIRD RAPE. (Not Dwarf Essex). Per lb., 20c; 5 lbs.; 70c; 10 lbs., $1.30.
SUNFLOWER SEED, extra clean for birds. Lb., 18c; 5 lbs., 65c; 10 lbs., $1.20.

TOBACCO SEED

Packet, any of the following, **each, 10c**

	Per Oz.	¼ lb.	Lb.
Comstock's Spanish. Wisconsin Favorite	$0.50	$1.75	$6.50
Primus. Yields big crops, fine quality	.50	1.65	6.00
Harby. Turkish, stands heat, drought	.50	1.65	6.00
Brazilian-American. Brazilian strain	.50	1.65	6.00
Big Havana. A hybrid Havana	.50	1.75	6.50
General Grant. Leaves 44 inches long, matures crop early. Ideal for cigars	.50	1.65	6.00
Connecticut Seed Leaf. Best adapted to climate of Middle and Northern States	.50	1.75	6.50
Big Oronoko. Has no equal for strips and dark wrappers	.50	1.65	6.00
White Burley. The popular Kentucky sort	.50	1.75	6.50

Not only can you raise your own tobacco, but you can grow your own pipes. Sow a few seeds of Calabash Pipe Gourd. See No. 1489 on page 58.

VAUGHAN'S TREE SEEDS

Evergreen seeds should be sown very early in spring, in a firm, sandy seed-bed. Give the young seedlings some shade the first summer. Apple, Pear and Locust should be mixed with sand in boxes and exposed to frost; where this cannot be done soak in hot water for an hour before sowing. The other deciduous seeds can be sown in April or May in drills 2 feet apart.

One pound lots and less include postage; write for prices on large lots.

	Pkt.	Oz.	¼ lb.	Lb.	10 lb.
Apple	$0.10	$0.25	$0.75	$2.50	.....
Arbor Vitæ, American	.10	.50	1.60	6.00	.....
Birch, White	.10	.20	.60	2.25	.....
Box Elder	.10	.15	.40	1.20	$10.00
Catalpa Speciosa	.10	.20	.60	2.00	....
Locust, Honey	.10	.15	.40	1.10	.....
Locust, Black or Yellow	.10	.15	.40	1.25	.....
Maple, Oregon Mammoth	.10	.20	.60	2.00	.....
Mulbery, Russian	.10	.40	1.35	5.00	.....
Osage Orange	.05	.15	.45	1.50	....
Pear, French	.10	.30	.85	3.00	.....
Pine, Scotch	.10	.50	1.60	6.00	....
Spruce, Norway	.10	.40	1.35	5.00	....

PLANT THE BEST

Ask for prices on Meadow and Pasture Mixtures giving acreage to be seeded.

VAUGHAN'S FANCY

FANCY KENTUCKY BLUE GRASS (Poa pratensis)

The greatest of all pasture grasses for America particularly on limestone soils. All live stock like it and thrive and fatten upon it. It requires time to establish itself and should be grazed on **lightly** for the first two years. The time of sowing depends upon locality. In some sections **Early Spring** and again in **June** and in others the **Fall** is best. Bush. 14 lbs., sow three per acre.

Vaughan's re-cleaned, the highest grade of this grass seed that perfect growing and careful cleaning can produce, is the best that can possibly be procured.

Extra Fancy Sun-dried Seed, twice re-cleaned; very high germination. Actual weight, 25 lbs. per bush., sold at legal weight (14 lbs. per busb.), 1 lb., **50c** (by mail, **58c**); 5 lbs., **$2.20**; 10 lbs., **$4.20**; 100 lbs., **$40.00.**

Fancy Seed, actual weight 21 lbs. per bush., sold at legal weight (14 lbs. per bush.) 1 lb., **40c** (by mail, **48c**); 10 lbs., **$3.25**; 100 lbs., **$30.00.**

RHODE ISLAND BENT GRASS (Agrostis tenuis)

This valuable lawn grass resembles "Red Top" in appearance, but has shorter leaves; it makes a fine colored, close turf, and adapts itself readily to any soil, in which respect it also resembles "Red Top."

It is much in use in the New England States, for lawns and permanent meadows and pastures; for these it is very valuable. For lawns, sow in Spring 3 to 4 bushels per acre. We offer American grown seed this year, (14 lbs. to bushel). 1 lb., **$1.50**; 10 lbs., **$13.50.**

CREEPING BENT GRASS

(European Mixed Bent)

The long creeping stems and spreading habit of this splendid grass make it ideal for Putting Greens; it makes a lasting turf that withstands hard usage.

The leaves are fine and it develops a dense growth, making it valuable for bottom lands and slightly sandy soil. Makes excellent hay and splendid pastures. (14 lbs. to bush.). Sow in Spring 50 lbs. to acre.

1 lb., **$1.50**; 10 lbs., **$13.50.**

ENGLISH BLUE GRASS

(Festuca pratensis, or Meadow Fescue)

A native of Europe, it has become thoroughly naturalized here. It is very permanent and is especially valuable for permanent pastures where the soils are not too dry. In the Western Central States it has done especially well. Should be sown with other grasses, as it does not come to full bearing for two or three years. Our seed is choice American grown. Sow in the Spring 1½ bushels to the acre. (20 lbs. to bush.,) 1 lb., **25c**; 10 lbs., **$1.75**; 100 lbs., **$15.00.**

RED TOP GRASS

(Agrostis alba)

This grass is especially adapted to moist soils.

It is one of the most valuable grasses for pastures and meadows but it is not as nutritious as Timothy for hay. Sow in spring or fall with or without a nurse crop. One bushel of chaff or **unhulled** Red Top, or one-half bushel of **fancy seed** is enough to sow an acre. For lawn mixtures it is invaluable. Grain bags, **40c** each, extra.

Extra Fancy re-cleaned solid seed (32 pounds per bushel), 1 lb. **35c** (by mail, **43c**); 10 lbs. **$2.75**; 100 lbs. **$25.00.**

Natural or Unhulled (bushel. 14 lbs.), lb. **25c** (by mail, **33c**); 10 lbs. **$1.85**; 100 lbs. **$16.00.**

CRESTED DOGSTAIL

(Cynosurus cristatus)

Essential in all good lawn grass mixtures. It thrives in all soils, but best in rich moist land. Makes smooth, close, fine, sward and is in demand for Putting Greens.

With Kentucky Blue Grass it gives splendid results; does well in shade. For lawns it should be sown in spring with other grasses, (21 lbs. to bushel), 1 lb. **70c**; 10 lbs. **$5.50**; 100 lbs. **$50.00.**

Vaughan's Seed Testing Laboratory is under the supervision of an expert Seed Analyst who, with assistants in the department, makes 40,000 tests per year. WE TEST ALL OUR FARM SEEDS FOR PURITY AND GERMINATION.

Our Lawn Mixtures are all made from Recleaned Fancy Grasses. See pages 4 and 5

RED TOP

SAVE MONEY—BUY THE

Buy grass seed from a known reliable firm. Quality is at once apparent in many articles. Not so with grass seed. A trained expert is necessary to determine how clean a grass seed sample is and a laboratory is needed to make such analysis properly and also to determine how well such seed will grow. The United States Department of Agriculture and most of the States recognize that few farmers can themselves determine quality in seed, so they have provided laboratories where farmers may send their seed for analysis when in doubt as to the kind of seed they have. Vaughan's Seed Laboratories we believe to be the most complete up-to-date equipment of any seed house in America selling direct to the planter. Our analysist is a college graduate with a thorough training in the seed laboratories of the United States Department of Agriculture. We label all our lots of seed, 10 lbs. or over, with a purity and germination test. On a basis of such tests we can and do compete with any seed house in price.

MEADOW FOXTAIL

(Alopecurus pratensis)

A mixture for any permanent pasture should contain some of this grass, which is valuable for **moist** meadows and pastures, particularly the latter. It does not reach maturity for 2 or 3 years, therefore it should be sown in mixture with other grasses. Sow in Spring. Our seed weighs 7 lbs. to busb., 1 lb., **60c**; 10 lbs., **$4.50**; 100 lbs., **$40.00.**

TRUE PERENNIAL SWEET VERNAL

(Anthoxanthum odoratum)

Very early. It imparts an exceedingly pleasant odor to hay. Sow in mixture with other grasses 1 lb., **$1.35**; 10 lbs., **$12.00**; 100 lbs., **$100.00.**

TALL MEADOW OAT GRASS

(Avena elatior)

An excellent meadow grass for winter grazing, and for hay in Southern States and dry climates; should be sown with other grasses

Sow in Spring or Fall 3 bushels per acre, (13 lbs. to bushel). 1 lb., **50c**; 10 lbs., **$3.50**; 100 lbs., **$35.50.**

ANNUAL SWEET VERNAL

(Anthoxanthum odoratum Puelli)

Sow half to one pound per acre with other grasses in the Spring. 10 lbs. to the bushel.

Price, 1 lb., **55c**; 10 lbs., **$4.00**; 100 lbs., **$35.00.**

CANADA BLUE GRASS

(Poa compressa)

A hardy grass with dense creeping root stocks. Adapted to all soils. Recommended for the Eastern and Middle States for pasture and dairy use. Sow 3 bushels of seed to the acre in the Spring. (14 lbs. to the bushel.)

Price, 1 lb., **45c**; 10 lbs., **$3.00**; 100 lbs., **$25.00.**

SHEEP'S FESCUE

(Festuca ovina)

A good grass for upland pastures and for sandy and poor soils. Is very hardy and resists extremes of weather. It grows in tufts, but its fine foliage and dense growth permit its use for lawn purposes. Sow in Spring 35 lbs. to the acre; (12 lbs. to bushel.) 1 lb., **70c**; 10 lbs., **$5.50**; 100 lbs., **$50.00.**

VARIOUS LEAVED FESCUE

(Festuca heterophylla)

A perennial grass, native of Europe. Of some value agriculturally as a bottom grass in pastures. Good for both hay and pasture. For lawn purposes is quite desirable, especially for shaded places, its fine soft leaves and its creeping roots making a very good turf.

Sow in Spring 40 lbs. to the acre. Crop failure.

For other Fancy Grasses see pages 4 and 5.

A FIELD OF RED CLOVER AND TIMOTHY.

Clovers, Valuable

FANCY MEDIUM RED CLOVER

Farmers should not neglect soiling crops like clover. They should consider seriously and do at least a part of their regular seeding. We are very proud of our fancy clover; purity, color and germination are of the highest standard. We invite comparison on a basis of quality. The market on clover seed changes daily and the prices quoted here are not fixed. Write for latest prices.

Fancy Seed, lb., **45c**; 10 lbs., **$3.25**; bush., **$17.25**; 100 lbs., **$28.00**; grain bags 40c each, extra. **Choice Grade,** for less money.

MAMMOTH RED CLOVER

Should be included in all permanent grass mixtures, especially on heavy and medium soils. Flowers later than Medium Red, is hardier and not so liable to winter kill.

Fancy Seed, lb., **45c**; 10 lbs., **$3.35**; bush. (about 60 lbs.), **$17.50**; 100 lbs., **$ 8.50.** Grain bags **40c** each, extra.

BOKHARA OR SWEET CLOVER—White Blossom

On worn out or poor soils all over the country, and on good farm lands in the dry sections of states like Nebraska and S. Dak. no other soil-renovating plant can produce as good results. It withstands summer heat and the cold of northern winters. Cattle, sheep and hogs soon acquire a taste for it and as a feed it ranks in value close to Alfalfa. It has the same nitrogenous value as Alfalfa. Cut before getting too large, it makes good hay. Sow in spring or fall. We offer hulled seed, scarified and tested. Lb., **25c**; 10 lbs., **$1.75**; 100 lbs., **$14.00.** Grain bags, **40c** each, extra.

GRASSES and CLOVERS

PLANT THE BEST

BEST GRASS SEED

Vaughan's Seed Store offers grass seeds at a price that is just based upon the quality offered. No better evidence of this truth is furnished than our selling lawn grass seed year after year in actual growing tests to parks and cemeteries in ton lots at prices much higher than department stores and others supply in single pound lots.

We purchase our seeds where we know the best is produced. Our large experience in the business—our trade which demands the best in volume—is so well known that producers all over the country save their better samples knowing we will pay the price for better goods. Our location—Chicago the greatest grass seed distributing center in the world, and New York City the greatest importing center—gives us a great advantage with regard to prices and stock.

Let us have an opportunity to quote you on a basis of latest market prices. on a quality basis. Weekly price card sent on request.

TIMOTHY (Phleum pratense)

One of the best grasses for hay or pasture. Withstands extremes of heat and cold.

The most popular of all hay grasses. A stand is easily secured, growth is rapid and the hay produced commands the highest market figure. An especially valuable feature of Timothy is its hardiness and its ability to withstand both heat and cold. Timothy sown alone is "hard" on the soil and should be followed with a dressing of manure. The vast majority of farmers now sow clover either Medium Red or Alsike with Timothy to replenish the soil with the nitrogen taken by the Timothy. Timothy demands good, rich, rather heavy land.

Prices.—Chicago is the World's Timothy center. We have the opportunity and avail ourselves of it, to pick the cream of the crop of the country. Our samples are the best—tested for purity and germination—and prices the lowest.

Vaughan's Fancy Seed. 99.5 pure. Lb., **18c** (by mail **25c**); **10 lbs., $1.25; 100 lbs., $10.00.**

Vaughan's Choice Seed. Lb., **16c** (by mail **24c**); 10 lbs., **$1.10; 100 lbs., $9.00.** Grain bags **40c** each, extra.

RED OR CREEPING FESCUE

(Festuca rubra)

An excellent bottom grass for pastures and especially for those which are quite shaded. For lawns it is unsurpassed and should be included in all shade mixtures. Sow in spring 30 lbs. per acre; (14 lbs to the bushel.) Seed short on account of European conditions. Lb., **85c**; 10 lbs., **$7.00**; 100 lbs., **$65.00.**

SLENDER FESCUE OR FINE LEAVED SHEEP'S FESCUE

(Festuca tenuifolia)

Of principal value for lawn purposes where it does very well on dry and inferior soils as well as in shady places. Sow in spring 30 lbs. to the acre. (22 lbs. to the bushel.) Lb., **$1.00**; 10 lbs., **$8.50**; 100 lbs., **$80.00.**

HARD FESCUE

(Festuca duriuscula)

This grass does well in sandy pastures. Is a slender, and very tufted perennial, a dwarf form of Sheep's Fescue. A good grass for resisting drought. Of fair value as a lawn grass, but must be sown in mixture with other sorts on account of its forming tufts. Sow in Spring 30 lbs to the acre, (12 pounds to bushel.) 1 lb., **60c**; 10 lbs., **$5.00**; 100 lbs., **$40.00.**

RED FESCUE

ITALIAN RYE GRASS

(Lolium italicum)

Likes a rich, moist, loamy soil where it does remarkably well and produces good hay and pasturage. Desirable for this purpose in temporary pastures. Develops very rapidly and is excellent for soiling. Valuable in lawn grass mixtures demanding immediate effect. Does particularly well in the south. Sow in spring, 60 to 70 lbs. per acre. (18 lbs. to the bushel.) Price, lb., **25c** (by mail, **30c**); 10 lbs., **$1.85**; 100 lbs., **$16.00.**

ENGLISH or PERENNIAL RYE GRASS

(Lolium perenne)

Does very well in this country. Good for both pastures and meadows. Moist and rich clays or loams are the soil best suited to it. The seed is heavy and very quick to start. It is a valuable lawn grass, especially where quick results are sought. Sow in spring, 60 to 70 lbs. per acre.

Standard Weight, 24 lbs. to the bushel. Lb., **25c** (by mail, **30c**); **10 lbs., $2.00**; 100 lbs., **$17.00.**

Pacey's or Short Seeded Rye. Lb., **28c** (by mail, **33c**); **10 lbs., $2.10**; 100 lbs., **$18.00.**

CHEWING'S FESCUE

(New Zealand Grown)

A good substitute for Red Fescue. Lb., **90c**; 10 lbs., **$7.50**; 100 lbs., **$70.00.**

BERMUDA GRASS

(Cynodon dactylon)

The grass for Southern Lawns and pastures; hard to kill, resists drought. should only be planted for permanency and in the south. Sow in spring 15 lbs. to acre. (30 lbs. to bushel), 1 lb., **40c**; 10 lbs., **$3.25**; 100 lbs., **$28.00.**

Our Lawn Mixtures are all made from Re-cleaned Fancy Grasses.

ROUGH-STALKED MEADOW GRASS

(Poa trivialis)

A perennial species closely related to Kentucky Blue Grass. Does best in moist, cool locations and its principal use is as a bottom grass in permanent pastures For lawn purposes it does well on sandy moist spots on account of its spreading roots. Sow in spring, about 15 to 20 lbs. to the acre. (14 lbs to the bushel). Lb., **$1.00**; 10 lbs., **$8.65**; 100 lbs., **$82.00.**

WOOD MEADOW GRASS

(Poa nemoralis)

In the Northern and Middle States this is the best of all lawn grasses for deep shade. Very hardy and a perennial. Its creeping roots establish a lasting, even and deep green turf. On dry rich soils it makes good pasturage and hay, but is usually too expensive to sow. Sow in spring, 30 to 35 lbs. per acre. (14 lbs. to the bushel.) **Price,** lb., **$1.10**; 10 lbs., **$9.00.** Write for price in quantity.

AWNLESS BROME GRASS

(Bromus inermis)

Successful on arid soils, very strong, thick growth, making two big crops. Cut in bloom, it nearly equals Timothy. It prevents washing on banks of streams; is hard to eradicate—fine pasture. Sow in Spring, Vaughan's extra cleaned seed. 2 bushels per acre, (14 pounds to bushel). 1 lb., **30c**; 10 lbs., **$1.85**; 100 lbs , **$16.00.**

ORCHARD GRASS

(Dactylis glomerata)

A very hardy grass, invaluable for pasture mixtures. Ready to cut for hay before Timothy. Wet soils do not suit it. Not recommended for lawn mixtures as it grows in tufts and leaves bare spots. Sow in Spring, 25 to 30 lbs. per acre. (14 lbs. per bushel). 1 lb., **30c** (by mail, **38c**); 10 lbs., **$2.25**; 100 lbs., **$20.00.**

JOHNSON GRASS

(Andropogon Halepensis)

A drought resister and much used in the warmer parts of the southern states. Used for hay, it should be cut just as it comes into bloom, when it is much liked by all kinds of stock. Sow in spring 1½ bushels per acre; (25 lbs. to the bushel.) Lb., **25c**; 10 lbs., **$1.75**; 100 lbs., **$15.00.**

Leguminous Crops

ALSIKE OR HYBRID CLOVER

This thrives well on damp soils where it is impossible to secure a catch of Red Clover. Because the seed goes so much further than Medium Red and because of its comparatively reasonable price many farmers are sowing Alsike. Sow 5 to 6 lbs. per acre in spring.

Vaughan's Brand. Lb., **35c**; 10 lbs., **$2.65**; bush. (60 lbs.), **$14.65**; 100 lbs., **$24.00.** Grain bags, **40c** each, extra.

WHITE CLOVER

Extremely valuable for permanent grass mixtures. It will stand more grazing than any other Clover. As the growth is short it has no value in a hay crop. Much used in lawns. Sow in spring, 3 to 4 lbs. per acre.

Extra Fancy Seed: Lb., **75c** (by mail, **83c**); 10 lbs., **$7.00**; bush. (60 lbs.), **$40.00**; 100 lbs., **$65.00.**

Choice Seed, clean, but not as bright as the above: Lb., **60c** (by mail, **68c**); 10 lbs., **$5.50**; 100 lbs., **$50.00.** Grain bags, **40c** each, extra.

CRIMSON CLOVER

Erect growing annual with long narrow and pointed flower heads. Grown extensively in the East and South for turning under to improve the soil.

Produces a hay crop of excellent feeding value but requires to be cut in full bloom to obtain the full value of the nutriment. Sow in August or September, 15 lbs. per acre. Lb., **40c**; 10 lbs., **$3.00**; bush (60 lbs.), **$15.50**; 100 lbs., **$25.00.**

On account of high value of clovers we ship in Grain Sacks, for which there is a charge of **40c** extra.

IMPROVE YOUR LAND BY PLANTING CLOVER

PLANT THE BEST

VAUGHAN'S TESTED

Threshing Grain with our own thresher so as to insure against all possibility of mixture. Photo taken the past summer at the Vaughan Farm, Ovid, Mich.

Our Farm Seed and Grains are Grown by Ourselves Re-Cleaned, Analyzed for Purity

Due to the location of our two stores (New York and Chicago) we are in constant touch with the leading markets, and conditions of the same. With our favorable freight rates and the best shipping facilities in the United States, we are in a position to serve our customers as is no other house.

Free Samples to Intending Purchasers.—Most of our seeds are grown especially for us. All are excellent samples, carefully re-cleaned and grown under our direct supervision from thoroughly reliable re-cleaned stock seeds.

STORM KING OATS (New)

A new sort which has attained remarkable popularity in the eastern sections of the United States. It is a medium early, close-heading variety, good height and a heavy stiff straw. The grain has a heavy shuck with a large berry of excellent shape. Our trials the past summer in Michigan, show this well worthy of a place in the western sections. We recommend it for trial.

Peck, 60c; bush., $1.75; 10 bush., $16.00; bags free.

NOTE
IMPORTANT
Prices include Cotton sacks holding 2½ bushels of grain.

SEED BARLEY, SELECTED, RE-CLEANED

WISCONSIN PEDIGREE BARLEY (No. 5)

This Barley has won many State and National Championships as the best six-rowed variety. Prof. Moore of the Wisconsin Experiment Station developed this from the famous Oderbrucker strain. It has proved in many trials a greater yielder than all others. It is tall-growing with plump grain, very stiff straw and large well-filled heads. Selected on account of yield and also for malting and feeding qualities.

Price, peck, 55c; bush., $1.80; 10 bush., $16.50; bags free.

ODERBRUCKER BARLEY (Wisconsin No. 55) A heavy yielding and plump six-rowed variety, introduced in 1906 by the Wisconsin Agricultural Experiment Station. A large percentage of the Barley acreage in Wisconsin is now of this grain. Compared to Manshury, Oderbrucker has a stiffer straw, higher protein content and being a more vigorous grower is a better rust resister. High protein content makes Oderbrucker of exceptional value for both feeding and malting. Ours is Wisconsin-grown, produced from seed secured from the Wisconsin Experiment Station.
Price, peck, 55c; bush., $1.80; 10 bush., $16.50; bags free.

SUCCESS OR BEARDLESS This is the earliest and hardiest of all barleys. The straw is heavy and stands up under a heavy crop. The grain is without beards and can be handled and threshed as easily as oats. It may be fed without danger of injury to the animals. Yields always show some bearded plants although our stock is exceptionally fine.
Prices, peck, 65c; bush., $2.20; 10 bush., $20.50; bags free.

WHITE HULLESS Strictly a feeding sort. It has a grain like wheat. In feeding value it is almost equal to wheat and the yield is nearly twice as large. The straw is heavy with good leaves, and when cut green makes good hay. Our seed is grown in the far Northwest and is heavy, fine, bright and very free from hulls. This variety never runs entirely true to type.
Price, peck, 80; bush., $2.75; 10 bush., $25.00; bags free

VICTORY OATS. American grown seed, raised from imported Swedish stock. The best of varieties for American conditions. Put out by the Swedish Society for the improvement of seed. The result of twenty-five years of scientific seed breeding. In season it is like Swedish Select. The grain is of medium size, white, broad and nearly beardless. The straw is very stiff and firm. In favorable seasons our heaviest yielder.
Peck, 50c; bush., $1.65; 10 bush., $14.50; bags free.

IOWAR OATS (New). An introduction of Prof. Burnett of Ames, Iowa, College. It is a few days later than the Iowa 103—another oat from the same source, but is a heavier yielder and slightly taller. The grain has a thin hull, good color and size. Should be given a trial.
Peck, 50c; bush., $1.65; 10 bush., $14.50; bags free.

GRAINS FOR FALL PLANTING—Write us in the Fall or now for pedigreed—certified—Rosen Rye—Red Rock Wheat—Klondike White Wheat grown on our own farms in Central Michigan.

SAMPLES OF THESE FANCY OATS FREE TO PROSPECTIVE BUYERS

NEW WHITE KHERSON OATS (Iowa 103)

The best variety to date on rich, heavy soils. In Iowa it is by far the most popular variety, as it produces a crop before extreme heat. It is fast superceding all other types in that state. In favorable cool seasons, on heavy soil, on account of its short straw, there is little loss from lodging. It is a white seeded selection of the Yellow Kherson, with the advantages of color and more recent selection. Extra early in season.
Price, peck, 45c; bush., $1.45; 10 bush., $13.00; bags free.

KHERSON OR SIXTY-DAY OATS.

The most popular new Oat for rich prairie soils. A very early variety, producing large yields. It matures in July and admits of harvesting before wild oats and other noxious weeds ripen and drop their seed. The straw is short and on rich soils does not lodge as do most oats. The grain is small with a remarkably thin hull and light yellow color. Introduced by the Nebraska Experiment Station and in that state the best yielding sort. An excellent feeding oat, the only objection to it being its color, which injures its market value.
Price, peck, 45c; bush., $1.45; 10-bush. lots, $13.50; bags free.

☞ All prices quoted represent values when catalog went to press. Subject to market changes. Write for latest quotations.

PURE FARM SEEDS

PLANT THE BEST

or Purchased from the Most Reliable Sources. They are and Tested for Germination.

Prices—The market on this class of seeds is changing constantly and prices given below, represent values at the date this catalog went to press. They are made subject to market changes. When purchasing in quantity, write or wire us for our latest prices.

Quality considered, we can meet any competition.

OATS, VAUGHAN'S "SWEDISH SELECT"

Extra Heavy Re-cleaned Seed

Introduced a few years ago by the U. S. Department of Agriculture and to-day the most largely planted of all varieties in the Northern Central States. Briefly described the oat is pure white in color; the hull is thin and the kernel large and plump; straw is stiff and strong enough not to lodge. A remarkable root development makes the Swedish Oat a good drought resister—a special feature on light soils. Season medium early and the earliest of the heavy yielding sorts. Especially suited to high land.

Price, peck, 45c; bush., $1.45; 10 bush., $13.00; bags free.

A Crop of Swedish Select Oats, Season 1922. Taken on Our Michigan Farm, Ovid, Michigan.

OATS, BLACK VICTOR

The darkest of the Black Oats and a very heavy cropper. It is extremely hardy and seldom lodges. The grain is black, heavy and of high feeding value. We offer clean, heavy Northern-grown seed.

Price, peck, 50c; bush., $1.65; 10 bush., $14.50; bags free.

WHEATS—Spring

Fancy Northern Seed

Write for latest quantity prices. Sow 1½ bushel to acre. Bags included.

MARQUIS. In the northwest spring wheat district Marquis Wheat is now regarded as the finest of all varieties. Introduced by Prof. Saunders of Ottawa, Canada, the result of a cross between Red Fife and acclimated Hard Red Calcutta wheat. It is earlier than Red Fife and has out-yielded all other spring wheats wherever grown. In milling quality and appearance it is in a class by itself Marquis Wheat grades No. 1 almost every time. It won first prize for the best American wheat at all the International Shows the past three years. Wheat price changeable. Write for prices in quantity.

Price, peck, 75c; bush., $2.75; bags free.

MACARONI OR DURUM. We have true and carefully selected stock of this now famous introduction of the U. S. Dept. of Agriculture. Best for dry districts. **Price, peck, 75c; bush., $2.75.** Write for latest "quantity" prices.

GOLDEN MILLET

FLAX SEED

Primost Variety, fancy re-cleaned Dakota seed. (Bu. 56 lbs.)
Peck, $1.40; bu., $5.00. Bags free.

SPRING EMMER

Incorrectly called "SPELTZ"

A grain especially suited to dry lands. Being semi-hardy, it can be sown very early in the spring like oats. Emmer grows best in the dry prairie regions with hot summers, and even does well in poor or stony ground. It is a better drought and rust resister than either Oats or Barley, and it also yields considerably better. The feeding value is high. Sow 1½ bu. to acre. **Price, lb., 15c; 3 lbs., 25c; bush.,** (40 lbs.) **$1.65; 5 bush., $7.50.** Bags free.

SPRING RYE

A good catch crop, as it may be sown later than most grains. Not so good a yielder as Winter Rye. Sow about 1½ bu. per acre. Crop is very short.

Price, peck, 75c; bush., $2.50; 10 bush., $23.00. Bags free.

SUNFLOWER, MAMMOTH RUSSIAN

Standard crop raised for the seed which is used in Poultry and Parrot feeds. Fancy domestic seed suitable for sowing. Sow about 8 lbs. to acre.

Oz., 5c; lb., 20c; 10 lbs., $1.25; 100 lbs., $10.00. Bags free.

BUCKWHEAT

Write for "quantity" prices.

Sow after June 16. On worn-out soils, a plowed-under buckwheat crop is a good fertilizer and improver. Sow 25 lbs. per acre.

JAPANESE. Very large grains of dark brown color. Early and heavy yielding. Choice re-cleaned seed. (Bush., 48 lbs). **Price, peck, 65c; bush., $2.25; 100 lbs., $4.25.** Grain bags, **40c** each, extra.

SILVER HULL. A very prolific and early sort. Grain a light gray in color. A great favorite with millers on account of the white flour it produces. (Bushel, 48 lbs). Choice seed. **Price, peck, 65c; bush., $2.25; 100 lbs., $4.25.** Grain bags, **40c** each, extra.

MILLETS

GOLDEN. Planted on good land produces a large crop of hay forage during the summer months and leaves the ground in finest condition for wheat. There is no larger yielding forage plant. Seed is valuable for poultry. (Bush., 50 lbs). Sow ½ bushel to the acre. Values constantly changing. Write for prices for quantities. **Price, bushel, $2.15; 100 lbs., $4.00.** Grain bags **40c** extra.

HUNGARIAN MILLET. Yields heavy growth of excellent hay. When saved for hay should be cut before the seeds become hard. Can be sown as late as July. (Bushel, 48 lbs). Sow ½ bushel to the acre. Subject to market changes. **Price, bush., $2.15; 100 lbs., $4.00.** Grain bags, **40c** extra.

JAPANESE MILLET. Entirely distinct. It grows 6 feet high and yields 10 tons green fodder per acre. When cured it makes an excellent quality of hay, and is a much relished green fodder. Cure as you would a heavy crop of clover. It may be sown from the middle of May to the 1st of July, if broadcast, at the rate of 15 lbs. per acre, but it is better to sow in rows 12 or 18 inches apart, using 10 to 12 lbs. per acre, and cultivate until 15 inches high, when its rapid growth will smother all weeds. **Price, lb., 20c; 10 lbs., 75c; 50 lbs., $3.50; 100 lbs., $6.50.** Grain bags, each, **40c** extra.

PEARL OR CAT-TAIL MILLET. No other plant makes so much forage. Three successive cuttings of one crop in Georgia yielded 52,416 lbs. per acre. Stools at ground; thick foliage. Can be cut when 3 feet high. Sow 5 lbs. per acre in drills, 3 feet apart or broadcast at the rate of 25 lbs. per acre. **Price, ¼ lb., 10c; lb., 30c; 10 lbs., $1.80; 100 lbs., $16.00.** Grain bags, each, **40c** extra.

DWARF ESSEX RAPE

This is an ideal sheep feed, easily grown; perfectly hardy and possesses remarkable fattening properties. One acre will pasture 36 head of sheep two months, and lambs will make a gain of 8 to 12 pounds a month. Pigs and cattle are also very fond of it. The plant is a rank grower and should have heavy manuring as well as high cultivation. Any corn soil will grow Rape. Sow the seed by the end of June and the crop can be ready to feed at a season when it is most needed. If the soil is rich and clean, sow broadcast; if not so clean, sow in drills and cultivate as for corn. When sown broadcast use 5 lbs. and if in drills 2 lbs. to the acre. Grain bags, 40c each, extra.

Japanese grown (Winter Sowing Rape).
Lb., 20c; 10 lbs., $1.25; 100 lbs., $10.00.

Genuine English Grown. Dwarf Essex Rape.
Lb., 23c; 10 lbs., $1.50; 100 lbs., $13.00.

VAUGHAN'S PEDIGREED SEED CORN (EARLY)

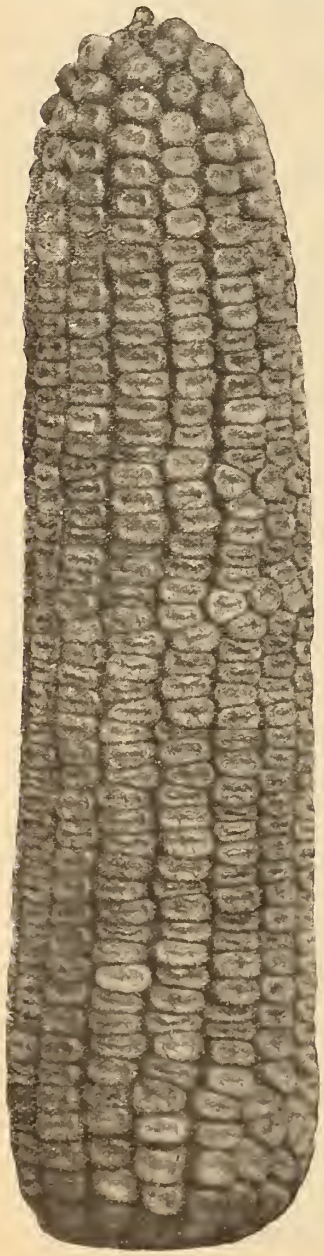
Our Seed Corns, Early and Late Dents and Flints are the best bred types and are grown in their respective seed sections. Plant corn suited to your locality. We give full descriptions and state where grown. Our corn is thoroughly tested and we know it grows, before sending it out.

The Vaughan Farms in Northern Illinois and Central Michigan are ideally situated for producing those varieties of early corn most suitable for the majority of our customers in the seed corn line, whose farms are located in Northern Illinois, South and Central Wisconsin and Michigan. We try, without regard to expense, to sel the best bred corn of the highest germination. The corn is field sorted, put in crates and then racked, each ear separately to insure even drying. In drying, artificial heat is used when moisture content demands such treatment.

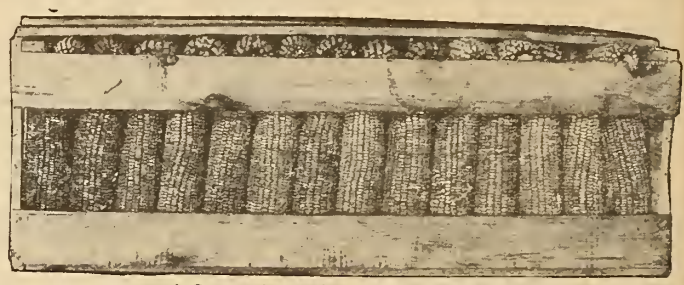
MADISON YELLOW DENT

Grown by us on our Central Michigan Farm

For the vicinity of Chicago, Northwestern Indiana, Wisconsin and Michigan, this, we believe, is the best corn ever introduced. It matures in 100 to 106 days of ordinary corn growing weather, and is a magnificent yielder. The ears are a little smaller than Reid's Yellow Dent, but resemble that sort otherwise; they are 8½ inches long, and have 16 rows of deep set kernels arranged close together in even rows, but with space enough to permit perfect drying, a very essential point in northern corn. Our strain is grown on the Vaughan farms in Central Michigan and Northern Illinois, and by contract with expert growers in the same localities under our direct supervision. We have a good quantity of magnificent corn grown on our Central Michigan Farms. Germination about 100%. **Selected Ears, Price, bush., $4.00; 3 bush., at $3.75. Shelled and graded, ½ peck, 50c; peck., 85c; bush., $3.00; 5 bush., at $2.75.**



MADISON YELLOW DENT



A Crate of Vaughan's Selected Ear Corn

MINNESOTA No. 13

This is known also as Wisconsin No. 8, and is a heavy yielding, very early Yellow Dent corn; matures in 90 days of corn-growing weather. This variety grows to a height of 8 feet on good soil and furnishes a great amount of fodder. The ears are 8 inches long, with 16 rows of kernels and taper to tip; the kernels show a good Dent type and are of fair depth. Although not yet as well bred as Madison Dent, it is about 10 days earlier. **Minnesota grown, Selected ears, bush., $3.75; 3 bush., at $3.50. Shelled and graded, ½ peck, 50c; peck, 85c; bush., $3.00; 5 bush., at $2.75.**

SILVER KING—or Wisconsin No. 7

This corn, introduced some years ago by Prof. Moore of the Wisconsin experiment station, is gaining in favor with corn growers. The ears have a good cylindrical shape, are about 8 inches long and usually have 16 rows of kernels which are deep set, and just thick enough to permit rapid ripening. This is an excellent corn for central and southern Wisconsin. Our corn is grown by ourselves in Central Michigan. **Price, Selected ears, bush., $4.00; 3 bush., at $3.75. Shelled, ½ peck, 50c; peck, 85c; bush., $3.00; 5 bush., at $2.75.**

DAKOTA YELLOW DENT

A very early Yellow Dent corn raised in North Dakota; matures in better than 90 days; ears 7 inches long; kernels quite hard; good for late planting in central locations. The yield may be increased by planting closer than is customary with Standard Dent sorts. **Dakota grown. Price, shelled, ½ peck, 50c; peck, 90c; bush., $3.25.**

GOLDEN GLOW—Wisconsin No. 12

Cold Resistant Strain

Is a fine product of "Minnesota No. 13," crossed with "North Star." It is very early and develops ears of good size, 8 inches in length, slightly tapering. The kernels are of medium depth, slightly rough. The cob is large enough to aid early drying, but is not too large. This is a very strong growing plant with plenty of foliage, which enhances its value for fodder. **Wisconsin grown. Price, Selected ears, bush., $4.00; 3 bush., at $3.75; Shelled, ½ peck, 50c; peck, 85c; bush., $3.00; 5 bush., at $2.75.**

PRIDE OF THE NORTH

This is the most extensively planted yellow Dent corn in northern Illinois and Iowa. It is a standard early, and the seed which we offer is grown in eastern Nebraska. We find it evener in type and earlier in season than much of the southern "Pride." The type varies but usually has 16 rows of kernels on a cob, with tapering tip. **Nebraska grown, Shelled, ½ peck, 35c; peck, 70c; bush., $2.25; 5 bush., at $2.00.**

EXTRA EARLY FLINT CORNS

Flint Corns are grown in the colder sections of the corn belt as they are earlier than the Dent type. In the central belts they are used for late sowing, as they mature a crop when it is much too late to plant Dent sorts. Equally as good as Dent corns for silage purposes.

LONGFELLOW FLINT. A beautiful cob of rich, glossy yellow and very long—10 to 15 inches. The stalks grow to the height of 7 to 7½ feet and the ears are borne about 3 feet from the ground. This is a favorite with chicken raisers in the middle corn belt. **Shelled, ½ peck, 50c; peck, 80c; bush., $2.75.**

GIANT LONG FLINT. A tawny, smoky white sort, one of the best for ensilage and fodder because of its suckering habit and breadth of blade. The ears are 12 to 15 inches long, which is an unusual characteristic of this variety; and they are smooth and symmetrical. Stalks bear two to three ears. **Shelled, ½ peck, 50c; peck, 80c; bush., $2.75.**

KING PHILLIP. This is an extra early Red Flint sort. The ears are 10 inches long and eight-rowed. On poor land it does much better in yield than most other sorts. **One of the very earliest field corns. Shelled, ½ peck, 50c; peck, 80c; bush., $2.75.**

WILL'S JEHU. Also known as North Dakota Yellow Flint. This is, perhaps, the earliest yellow flint corn that is valuable. The plant's average height is 5 feet, and the ears, which are 8 inches long, grow close to the ground. Dakota seed. **Shelled, ½ peck, 60c; peck, 90c; bush., $3.25.**

SMUT NOSE FLINT. The great favorite in Michigan. It is a yellow flint blazed with red at each end of ear. The ears are 10 inches long and large around, very vigorous in growth, producing a good amount of fodder. **½ peck, 50c; peck, 80c; bush., $2.75.**

POP CORN

Selected Ears For Seed

BLACK BEAUTY (New). An extra early variety which pops very large and is the most tender and crisp of all. Although the kernels are black it pops a pearly white. Extremely early, ripening so it may be popped the same year as grown, without kiln drying. **Pkt., 10c; lb., 25c; 5 lbs., 85c; 10 lbs., $1.40; 100 lbs., $10.00**

JAPANESE DWARF RICE. Very tender and almost hulless. Ears short and chunky. Heavy yielder. We regard this as the coming commercial variety. Crop very short. **Pkt. 10c; lb. 25c; 10 lbs., $1.40; 100 lbs., $10.00.**

BABY GOLDEN (New). A yellow Dwarf Rice. A wonderful seller on the local market. Same fine hulless quality as the Dwarf Rice. **Pkt., 10c; lb., 30c; 5 lbs., 85c; 10 lbs., $1.50.**

Price of any of the following kinds of Pop Corn:

Pkt., 5c; lb., 20c; 5 lbs., 70c; 10 lbs., $1.25; 25 lbs., $2.25; 100 lbs., $8.00.

ILLINOIS SNOWBALL An improved variety, very prolific; a fine sort for home use.

WHITE RICE Most popular, grain pointed, pops white, and full.

MAPLEDALE PROLIFIC A great yielder, it pops pure white.

QUEEN'S GOLDEN It pops perfectly white and a single kernel will expand nearly one inch.

VAUGHAN'S PEDIGREED SEED CORN (LATE)

Seed Corn for the whole country cannot be raised in one locality. Our seed corn is grown by the most expert growers in those localities where each variety does its best. Kinds suitable only for a short or medium corn growing season are raised for us in Northern Sections. Main crop sorts are grown for us in sections where they reach their full maturity and development. Our growers are recognized leaders in growing their respective varieties. They know all about the latest theories of corn breeding and practice them.

We plainly state where each corn has been grown, for it must be borne in mind, seed corn produces best when planted under similar climatic and soil conditions to which it was originally raised. Order seed corn early, so that you may test it for yourself.

REID'S YELLOW DENT

Northern Grown

Ten days earlier than the Standard Type

This is the highest standard Yellow Dent Corn grown in North Central Illinois. The true type of "Reid's" is at home in the Central Illinois Corn Belt, and is unexcelled. We have never dared sell the regular full sized type of "Reid's" north of Kankakee and La Salle Counties. This strain of "Reid's" differs from the standard type only in running slightly smaller and with larger cobs. Can be used in Cook County and westward and is the finest, highest grade yellow corn which can be safely planted this far north. A very fine variety for ensilage planted north of this section.

Selected Ears—Bush., $4.00; 3 bush. at $3.75.
Shelled—½ peck, 50c; peck, 85c; bush., $3.00; 5 bush. at $2.75.

BOONE COUNTY WHITE

The best type of the White Dent for the Central Corn Belt States, such as Champaign, Decatur, Central Illinois and Central Iowa sections. This corn has been bred for large ears and matures rather slowly, requiring about 120 days good corn weather. The ear tapers slightly, length 10 inches, circumference 7½ inches, 16 to 22 rows, medium space between, cob white, medium size. This variety is also known as Johnson County White in Indiana, and is the great white show corn—having won more prizes than any other white corn. It also holds most of the high yields per acre records. Our Central Illinois grower, who raises this corn for us, has won many prizes. Pedigreed corn bred by ear to the row method.

Selected Ears—Bush., $4.00; 3 bush. at $3.75.
Shelled and Graded—½ peck, 50c; peck, 85c; bush., $3.00; 5-bush. lots at $2.75.

IOWA SILVER MINE

One of the very best yielding White Dent Corns. Matures in North Central Illinois and in Iowa as far north as Dubuque. Creamy white in color, cylindrical in shape, tapering only a little at the tip, 18 to 20 rows; length 9 inches, circumference, 7¼ inches, kernels rough and deep, little space between rows; cob small and white. A fine shelling and high yielding variety. In good corn weather ripens in 110 days. Our seed is grown by one of the most famous Iowa breeders.

Central Iowa-Grown—Shelled and graded. **½ peck, 35c; peck, 70c; bush., $2.25; 5 bush. at $2.00.**

REID'S YELLOW DENT

(Standard Type) Pedigreed Seed

The great prize-winning Show Corn brought to Illinois in 1864, from Ohio. For Southern Iowa, Central Illinois, (see Northern Grown Reid's for North Central Illinois) Central Indiana, Kansas, Missouri and Nebraska this is the most satisfactory yellow Dent Corn to grow. We do not recommend this or any other variety on this page for Wisconsin, Michigan or similar latitudes. Fifty years of careful selection has resulted in remarkable evenness in appearance of ears. It is most accurately described as follows: Ear 9 to 10 inches long, 7 inches around, 18 to 24 rows with narrow space between them; deep grains with small cob, well filled at butt and tip. Matures in about 115 days in Central Illinois. We offer a very choice selection of seed from pedigree stock selected for years, grown in Illinois by one of the best corn breeders in the United States.

Selected Ears—Bush., $4.00; 3 bush. at $3.75.
Shelled and Graded—½ peck, 50c; peck, 85c; bush., $3.00; 5 bush. at $2.75.

LEAMING IMPROVED

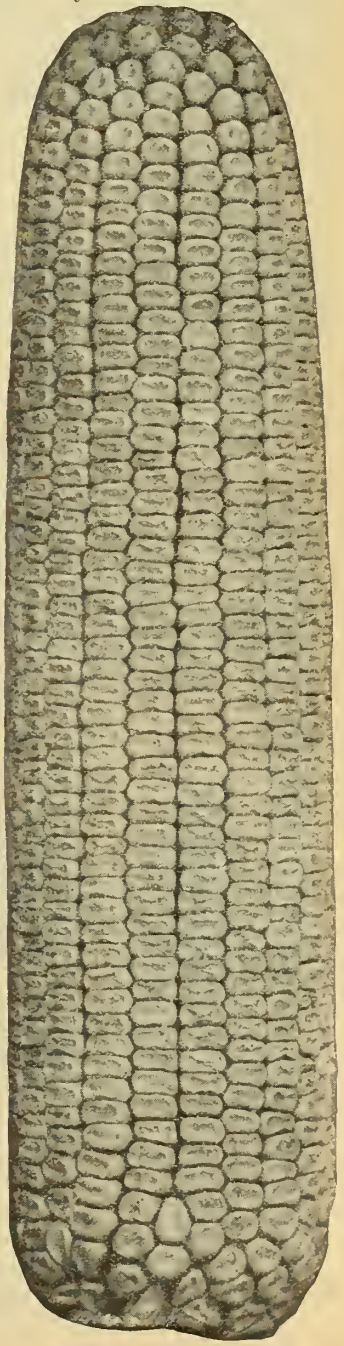
Probably planted over a greater area of country than any other sort on account of its great adaptability to various soil and other influences. Ripens in 100 to 110 days under favorable conditions in central corn belts. The ear is tapering, length 10 inches; circumference, 7 inches; wedge-shaped yellow kernels smooth and firm on the cob; 18 to 20 rows, with medium space between; well filled and rounded tips and butts; cob red, of medium size. Used a great deal for ensilage in New York and New England. Our seed is grown from prize stock in the central corn belt. The stalks are very leafy, so that it is one of the best fodder varieties.

Nebraska-Grown—Shelled, ½ peck, 35c; peck, 70c; bush., $2.25; 5 bush. at $2.00.

GOLD MINE

A Yellow Dent similar in its general characteristics to the Silver Mine. Ears average about half an inch shorter than Silver Mine and two rows less. The kernels are rough and deep. Cob small. In certain sections of North Central Illinois and Iowa as far north as Cedar Rapids, parts of Kansas and Nebraska—a standard sort. This variety has not been so carefully bred as some sorts; however, it has good points. Our seed is carefully selected, grown by a noted breeder specialist on this.

Nebraska-Grown—Shelled, ½ peck, 35c; peck, 70c; bush., $2.25; 5 bush. at $2.00.



REID'S YELLOW DENT

FODDER CORN

Fodder is a paying, necessary crop, especially in dairying. All the different types of corn are planted for fodder. Sweet corn is used in most dairying regions.

SWEET FODDER. Nothing better for summer and fall green feed, or curing for winter. **Peck, 85c; bush., $3.00.**

RED COB ENSILAGE or FODDER. Has a deep red cob, strong leafy stalks and short joints.
Southern Grown—Peck, 50c; bush., $1.60.

VIRGINIA MAMMOTH WHITE HORSE TOOTH. Small stalk, vast quantity foliage, short joints, kernels large and white. **Peck, 60c; bush., $1.75.**

SORGHUMS, KAFFIR, MILO, CANE, BROOM CORN

Market fluctuates. Write for latest prices. Prices quoted include cost of bags.

VAUGHAN'S EARLY AMBER CANE The value of Sugar Cane as a green fodder crop is appreciated by the dairy farmer. Even fodder corn does not produce so rich and rank a growth of good feed for so little money as Sugar Cane. A great quantity of feed may be had from a half acre with a small investment for seed. Sow 60 pounds to the acre.

Northern Seed, pkt. 5c; lb. 20c; 10 lbs. $1.00; 50 lbs. $4.00; 100 lbs. $7.50; bags free.

Southern Seed (for fodder) **10 lbs. 65c; 50 lbs. $2.75; 100 lbs. $5.00;** bags free.

FETERITA

FETERITA Earliest of the drought resisting sorghums. Outyielded all other sorghums during past dry summer in Kansas. **Price, lb. 18c; 10 lbs. 75c; 50 lbs. $3.00; 100 lbs. $5.50.**

JERUSALEM CORN The best and surest grain crop for dry countries and seasons; 3 feet high. Makes one large head on main shoot and several small heads on side shoots. Sow 3 to 5 lbs. per acre **Pkt. 5c; lb. 20c; 10 lbs. $1.25; 50 lbs. $5.50; 100 lbs. $10.00.**

KAFFIR CORN One of the best forage plants. Preferred by some to Cane. Grows four to five feet high. For fodder sow 40 lbs. per acre broad-cast. **Pkt. 5c; lb. 15c; 10 lbs. 70c; 50 lbs. $2.75; 100 lbs. $5.00.**

MILO MAIZE Yellow variety of sorghum, non-saccharine, stalks 8 to 10 feet high. It stands dry weather and makes its crop where corn would fail Plant in 3-foot rows and cultivate as corn, 3 to 5 lbs. per acre. **1 lb. 15c; 10 lbs. 70c; 50 lbs. $2.75; 100 lbs. $5.00.**

IMPROVED EVERGREEN BROOM CORN The most popular variety in the Western broom corn-growing localities. Brush of good length and handsome appearance and shows almost no red color. Sow 15 lbs. to the acre.
Western Grown, Price, lb., 20c; 5 lbs., 50c; 10 lbs., 90c; 50 lbs., $3.75; 100 lbs., $7.00.
Illinois-Grown, lb., 25c; 10 lbs., $1.25; 100 lbs., $10.00.

OKLAHOMA DWARF BROOM CORN An extra early sort. Height 5 ft.
Western. Price, lb., 20c; 10 lbs., 90c; 100 lbs., $7.00.

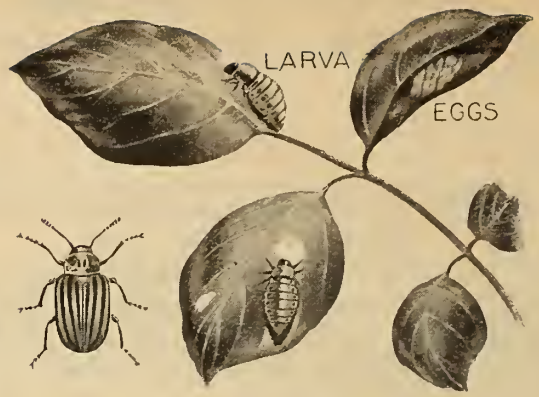
SUDAN GRASS Closely related to the cultivated sorghums; of value particularly in the dry Middle West as a drought resisting hay crop. In the Eastern and Central Northern sections should be tried as a substitute for millet, as the crop is larger and has better feeding value. Care should be exercised as with cane and other sorghums in turning cattle on to second growth. **Price, lb., 30c; 10 lbs., $2.25; 100 lbs., $21.00.**

Culture of Sudan Grass—Sudan grass may be sown either drilled or broad cast. If planted in rows, the rows should be as close as possible and yet permit of easy cultivation. In 30-inch rows, 3 to to 4 pounds of seed per acre is ample, and under conditions of low rainfall this method is recommended. Under irrigation, 18-inch rows are preferable, and 4 to 6 pounds per acre.

Garden Insect Enemies

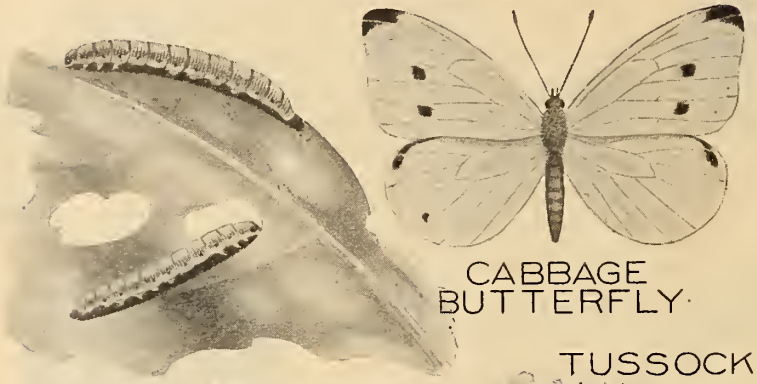
Description and Remedies

(SEE NEXT TWO PAGES FOR PRICES AND APPLIANCES)



POTATO BEETLE

POTATO BEETLE—These striped yellow and black beetles appear in numbers in early spring and as soon as young plants are up. They commence depositing eggs on the underside of leaves, meanwhile feeding upon the tender foliage. In about one week these hatch a horde of hungry larvae who destory the foliage rapidly, attaining full size in from 2½ to 3 weeks. Remedies: Spraying or dusting with Calcium Arsenate, Arsenate of Lead, Pyrox, Paris Green.



CABBAGE BUTTERFLY

CABBAGE WORM

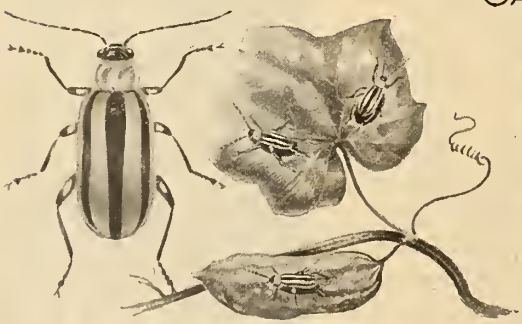
CABBAGE WORM — These green caterpillars hatch from eggs laid by the common white butterfly. There are several broods produced each season. The most effective means of control is by spraying or dusting with Arsenate of Lead, Calcium Arsenate, Kerosene Emulsion, Pyrox, Hellebore, Hammond's Slug Shot.

TUSSOCK MOTH—A handsome red-headed yellow and black tufted caterpillar, about one inch long, which devours the foliage of both shade and fruit trees, sometimes eating into fruit. To control this pest, the cotton-like egg masses should be collected in both fall and winter, and trees banded with Tree Tanglefoot. Spray often with Arsenate of Lead, taking care to cover underside of foliage thoroughly.

TUSSOCK-MOTH CATERPILLAR

TOMATO WORM

TOMATO WORM—The moths appear in May or June and deposit the eggs singly upon the lower surface of the leaves from which the caterpillars hatch in 4 to 8 days. As they feed voraciously they become full grown in 3 weeks' time. There are sometimes two broods in a season. The most successful remedies are Pyrox, Calcium Arsenate, Arsenate of Lead.



CUCUMBER BEETLE
NATURAL SIZE ¼ INCH

CUCUMBER BEETLE—These striped black and yellow beetles appear in great numbers and attack the young plants as soon as up. Protect the vines with screens until they begin to run. Spray or dust with Bordeaux Mixture, Arsenate of Lead, Hammond's Slug Shot, Tobacco Dust, Pyrox, covering underside of foliage.

PLANT-LOUSE
[APHID]
CARL F. GRONEMANN

APHIDES—Plant Lice, Green Fly, Bark Lice, etc., are minute insects feeding upon the sap in the tender parts of plants, both indoor and out. Can be successfully destroyed by the use of the following contact remedies: Black Leaf 40, Nikoteen, Aphine, Kerosene Emulsion, Lemon Oil, Nicofume, Tobacco Soap. Contact remedies are effective only when the poison touches the insect. Be sure to cover the under side of the leaves.

INSECT DESTROYERS,

DEMAND INCREASING
SECURE YOUR SUPPLY

Prices on all insecticides are subject to change as season advances. Chemical market unsteady.

BLACK LEAF 40, is a solution of Nicotine Sulphate. It is highly recommended by Experiment Stations throughout the United States as a spray for soft bodied sucking insects. For spraying only. Directions must be followed carefully: 1 oz. bottle, 35c; ½ lb. can, $1.25, makes 40 to 100 gallons; 2-lb. can, $3.50, makes 200 to 500 gallons; 10-lb. can, $13.50, makes 840 to 2100 gallons.

LIME SULPHUR. (Solution). The best remedy for San Jose scale. One gallon makes twelve. Also one of the best summer sprays, as it is an excellent fungicide. When used in summer dilute with 20 to 30 parts water. Per qt. can, 45c; 1 gal., $1.00; 5-gal. can, $4.00.

ANT EXTERMINATOR. Non-poisonous powder which, if scattered about their haunts or runs, will kill or drive away ants from lawns, etc. (We do not send this outside of States of Illinois and New York). Per box 35c; by mail 40c; smaller size 20c.

APHIS PUNK. Special preparation of nicotine for killing insects. Per pkg., 12 sheets, 75c; 1 case, 12 pkgs., $8.00.

APHINE. 1 pt., 65c; 1 qt., $1.00; 1 gal., $3.00.

CALCIUM, ARSENATE. (Dry). For dusting and spraying. A new arsenical poison for chewing insects, especially potato beetles. Harmless to foliage, not easily washed off. Lb., 45c; 5-lbs., $2.25; 10 lbs., $3.75.

BORDEAUX MIXTURE. (Dry). The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. 1 lb. will make 5 gallons liquid. Lb., 40c; 5 lbs., $1.75; 25-lb. kegs, $6.50.

CARBON DISULPHIDE. For ants and cut worms. 1 lb., 50c; ¼ lb., 20c.

ENOZ KILLS MOTHS. **Enoz Moth Liquid** is applied by spraying garments, furs, upholstery, rugs, carpets, robes, blankets, etc. A thorough application permits a fine misty vapor to penetrate all parts of garments. Enoz will not stain or injure delicate fabrics or textiles, furs, rugs or any material subject to moth attack. This compound is in universal use by the housewife and the merchant to protect their valuable clothing and stock. Do not try to smell the moth away. Do not be bound to inefficient repellants. Enoz kills moths, the worm and destroys the eggs. Pint, $1.00; quart, $1.65; gal., $4.25.

FISH-OIL SOAP. Standard wash for trees and plants where insects and eggs affect the bark. Lb., 30c; 5 lbs., $1.25; 10 lbs., $2.25.

FLOWERS OF SULPHUR. Lb., 12c; 10 lbs., $1.00; 50 lbs., $3.50; 100 lbs., $6.00.

FUNGINE. New remedy for mildew, rust and other fungus diseases, for greenhouse and outdoor use. Pint, 65c; 1 qt., $1.25; gal., $3.00.

GRAPE DUST. Excellent for the prevention and destruction of mildew on plants. 5 lbs., 95c; 10 lbs., $1.80.

HELLEBORE POWDERED, White. Less poisonous than Paris Green and safer to use when fruit and vegetables are nearly ripe. Per ¼ lb., 20c; ½ lb., 35c; lb., 60c; 5 lbs., $2.75; 10 lbs., $5.00.

HALL'S NICOTINE FUMIGATOR. Lights quickly, burns evenly and will not go out. No waste; every particle is consumed. It retains its strength indefinitely. 2½-lb. tin, $2.50; 10-lb. tin, $8.50.

KEROSENE EMULSION. One of the best insecticides for all soft-bodied sucking insects feeding openly, so as to be within reach of actual contact, such as plant lice, flea beetles, aphis, greenfly, mealy bug; also for insects on fruit trees, including San Jose scale. Per 1-quart can, 50c; 1 gal., $1.25; 5-gallon can, $5.00.

LEMON OIL. Destroys mealy bug, scale, red spider. ½ pt., 35c; pt., 60c; qt., $1.00; ½ gal., $1.75; gal., $3.00; 5 gals., $12.00.

NICO-FUME LIQUID. For fumigating or spraying; contains 40 per cent. nicotine. ¼ lb., 75c; 1 lb., $2.25; 4 lbs., $8.00; 8 lbs., $15.00.

"NICO-FUME." A Tobacco Paper for Fumigating. Strips of Paper strongly saturated with Nicotine. These, when suspended and lighted, make one of the best and simplest methods of fumigating greenhouses. Use 4 to 6 sheets for ordinary house 100 ft. long by 20 ft. wide. Price, 24 sheets, $1.35; 144 sheets, $5.50; 288 sheets, $10.00.

MELROSINE. Is certain death to Rose bugs. One pint will make three gallons of spray solution. Pint, $1.00; quart, $1.75; half gal., $3.25; gal., $6.00.

ARSENATE OF LEAD (Paste). The latest and best known insecticide for all leaf eating insects. It adheres to the foliage for weeks, thus doing away with repeated sprayings. There is absolutely no danger of burning or scorching the leaves. Lb., 40c; 5 lbs., $1.75; 10 lbs., $2.75; 25 lbs., $5.75; 50 lbs., $10.00; 100 lbs., $1.800.

ARSENATE OF LEAD. (Dry). For dusting and spraying. Solves the problem of controlling practically all leaf-eating insects in an efficient manner. 1 lb., 45c; 5 lbs., $2.00; 10 lbs., $3.75; 25 lbs., $7.50; 50 lbs., $14.00; 100 lbs., $25.00.

PYROX. Kills all leaf-eating insects, destroys fungus growth, blight and rot. Mixes easily in cold water, sprays without clogging and sticks to foliage. Price, lb., 45c; 5 lbs., $1.65; 10 lbs., $3.00; 25 lbs., $6.00; 50 lbs., $11.00; 100 lbs., $18.50.

NIKOTEEN. Use same as Nicotocide. ½ pt., $1.10; pt., $2.00; 3 pts., $5.75; original case 10 pts., $18.00.

PARIS GREEN. A poisonous insecticide in powder form, for insects which chew. When applied as a powder, use one part Paris Green to 100 parts plaster or flour. As a liquid, one pound of Paris Green in 150 to 300 gallons water; if used on fruit trees add one pound quick-lime. Changes with market. ½ lb., 30c; per lb., 50c; 5 lbs., $2.40; 14 lbs., $5.75.

SCALECIDE. An oil preparation for San Jose scale. Use 1 gal. to 15 gals. water. Qt., 60c; gal., $1.40; 5 gals., $6.25; 10 gals., $10.60.

SLUG SHOT, Hammond's. Guaranteed to destroy potato bugs, and those on tomato and egg plants, currant worms, cabbage lice and worms. Price, 1 lb. 20c; 5 lb. package, 60c; 25 to 50 lbs., at 10½c per lb. Per keg 125 lbs., $12.00; barrel, 250 lbs. in bulk, $23.00.
Slug Shot Duster. ½ gal. size, 60c.

SULPHATE OF IRON. A remedy for weeds on lawns, kills dandelions without injuring grass. Liquid should be applied with a fine spray. Full particulars on application. 5 lbs., 25c; 10 lbs., 40c; 25 lbs., 75c; 50 lbs., $1.25; 100 lbs., $2.25.

SULPHO-TOBACCO SOAP. One of the best remedies for green fly on roses. Per ½-lb. box, 25c by mail, 30c. 3-oz. package, each, 15c; by mail, 20c.

THRIP JUICE No. 2. Destructive for mealy bug, scale, thrip, codlin moth, canker worm, beetles, caterpillars, etc. Per pt., 75c; qt., $1.10; gal., $3.25.

TOBACCO DUST, (Regular Grade). 5 lbs., 30c; 10 lbs., 55c; 100 lbs., $4.00.

TOBACCO STEMS. These prices subject to change without notice, on account of the uncertain supply. Price, 100 lbs., $2.25; 500 lbs., $9.00; 1000 lbs., $17.50.

TREE TANGLEFOOT. Perfect safeguard for trees. Lb., 50c; 5 lbs., $2.25; 10 lbs., $4.25.

Tree Tanglefoot

VERMINE. For eel, cut worms and wire worms, working in the soil. It can be applied to all vegetation. Gal. $3.00; quart, $1.00.

WORM ERADICATOR. Electric destroyer of worms of every kind at the roots of Trees, Shrubs, Flowers, Grape Vines, Vegetables, etc. Brings worms to surface and rids Golf Grounds of worms without discoloring grass. Use 1 or 2 ozs. to gal. of water. 8 oz., 50c; 24 oz., $1.00; 1 gal., $4.00; 5 gals., $17.50.

WEED KILLER. **Herbicide.** For use in clearing grass and weeds from roads, gutters, tennis courts. Use with 20 to 40 parts of water. ½-gal., $1.10; 1-gal., $1.90; 5-gal., $7.50.

X. L. ALL-LIQUID INSECTICIDE. English preparation, purely nicotine. A spray for white fly, mealy bug, red spider, etc. Price, ½ gal., $3.25; 1 gal., $6.00.

Insecticides Containing Poison Cannot be Sent by Mail

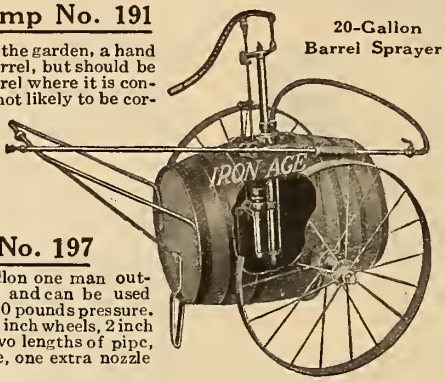
SPRAYERS AND DUSTERS FOR INSECTICIDES

Iron Age Vertical Barrel Sprayer Pump No. 191

For the man with a small orchard or a few trees in the garden, a hand pump furnishes high pressure fairly easily. Fits any barrel, but should be fastened to strongest side of barrel, mounted outside of barrel where it is conveniently reached. Not being covered with solution, is not likely to be corroded. Only parts being inside barrel are dasher and suction pipe. Latter has fine screen at bottom, so sediment cannot pass through pump. Dasher operated automatically with pump handle keeps solution mixed thoroughly.

Price, 191 **$27.25** without barrel; 191B (with barrel) **$34.50;** 1911 (without barrel) with 15 ft. lead hose **$33.50.**

20-Gallon Barrel Sprayer



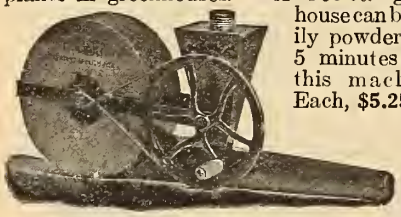
Iron Age 20-Gallon Barrel Sprayer No. 197

For gardens, estates, parks, poultry plants, etc. 20-gallon one man outfit, mounted, brass pump, easily taken out of the barrel, and can be used elsewhere. Ball valves, wick packing, all easy to get at, 100 pounds pressure. Pump with one hand, guide spray rod with the other. 24 inch wheels, 2 inch tires. Equipment includes **33 inches half inch hose,** two lengths of pipe, two feet each, one sliding grip for pipe, one Iron Age nozzle, one extra nozzle or cap for washing windows, etc. **Price, $32.00.**

Iron Age Strainer Should be used on every Spray Rod and will eliminate at least half of your nozzle trouble. Each **$1.50.**

Peerless Blower

The best machine on the market for applying sulphur, Paris green, slug shot, etc., to plants in greenhouses. A 200-ft. greenhouse can be easily powdered in 5 minutes with this machine. Each, **$5.25.**

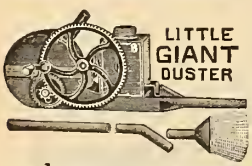


Powder Bellows. Acme.

For dusting with sulphur or like material. One size, each, **$1.45.**

Feeny Model B Duster

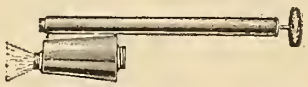
Splendid Hand Duster. Each.....**$1.10**



Little Giant

The best dry powder gun; will distribute any dry insecticides. Will do as much work in a day as a horse-power sprayer. Price, $10.00.

Duster, Lowell



Handy for dusting any powder. Operated same as hand sprayer. Each, **85c.**

Powder Gun, Cyclone

Small size, **20c.** Jumbo size, **45c.** Postage, extra, each, **5c.**

The Lowell Sprayer

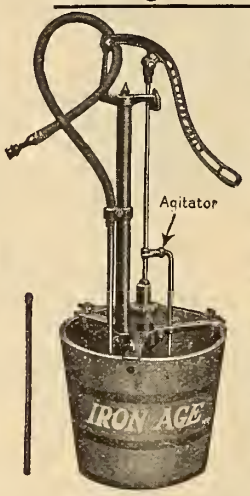
For applying insecticides in form of mist. Reservoir is glass, so operator sees ingredients mixing. Will not corrode or rust. If broken can be replaced with Mason jar. Price, each, **85c.**

Hand Barrel Sprayers

(Closed Barrel) **Fig. 182**

Especially designed for use where barrel is transported over rough ground. Construction similar to open barrel type with all working parts of bronze or brass to resist corrosion. Pump rests solidly on bottom of barrel and is always submerged. Large air chamber maintains uniform pressure and makes it unnecessary to work pump constantly. Develops tremendous pressure. Equipped with 12½ ft. spray hose, nozzle and fittings. **Price,** without barrel, **$14.35. Price,** with barrel, **$21.50.**

Iron Age Bucket Sprayer



No. 195 is the complete Bucket Sprayer with special bucket in place of the foot-piece. An automatic agitator keeps the solution thoroughly stirred. Easily carried in one hand by the pump cross piece or by the lever at the top.

Equipment — 33 inches of hose, two-foot steel pipe extension with adjustable hand grip and "Iron Age" nozzle are included with each No. 195. With the pipe extension you can stand away from your work —also reach higher bushes, small trees, buildings, etc. Price, **$15.00 .**

Bink's Spray

A medium price sprayer constructed of best material and will do good work. Equipped with 3 ft. discharge hose, shut-off cocks, Star spray nozzle and shoulder strap. Works with compressed air. **Price, $8.75.**

Pneumatic Sprayer

Compressed air **hand sprayer.** Operator sprays with one-half labor ordinary sprayer requires. Throws a fine mist and can be used to apply insecticides, etc. One quart size. Galvanized Tank **$1.25;** Brass Tank, each **$2.00.**

Success Whitewash and Spray Pump

This is most excellent for use in gardens, greenhouses, orchards, washing windows, and buggies or whitewashing and spraying poultry houses. Is fitted with Bordeaux nozzle, the best combination spraying device, and can be changed from a solid stream to a spray, It is double action and has large air chamber which throws an absolutely continuous stream solid or in fine spray. It is one of the best pumps made for the money.

Price, complete, **$7.50,** without bucket.

The Auto Spray

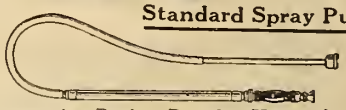
Eight to ten strokes of plunger in air chamber compresses enough air to discharge entire contents, making continuous spray for nine minutes. "Auto Spray" is improved by addition of the "Auto Pop" shown in illustration.

Price, galvanized iron reservoir, **$6.00, with Auto Pop, $6.50;** solid brass reservoir, **$9.00, with Auto Pop, $9.50.** Extension rods, 2 ft. lengths, **50c.** Two-row attachments, **$1.50.**

Hudson Sprayer

The tank is made of heavier metal than is generally used for similar sprayers, while the valve and pump are of special construction to give better service. Hose is attached at such an angle that it will not kink. Unexcelled for Whitewash, Water Paints, Insecticides, etc. Galvanized steel, **$6.50;** all Brass, **$9.50.**

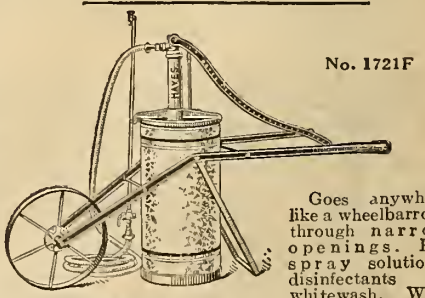
Standard Spray Pump



This pump is a Bucket, Barrel or Knapsack pump as desired. Price, **$5.00;** with knapsack and curved extension, **$9.25.**

Wheelbarrow Sprayer

No. 1721F



Goes anywhere like a wheelbarrow, through narrow openings. For spray solutions, disinfectants or whitewash. With extra long handle and large air chamber, develops 150 to 200 lbs. pressure with minimum of effort. Made of best materials, all working parts of brass or bronze. Cart is strong, all steel and cross braced. Tank holds 12½ gals. Fully equipped with hose, nozzle, fittings, steel extension, etc. **Price, $24.00.**

Shipping weight, 80 lbs.

See page 107 for insecticide nozzles.

VAUGHAN'S HIGH-GRADE FERTILIZERS

Prices F. O. B. New York on Ton Lots—Cartage Extra on Smaller Quantities

SPECIAL TRUCK AND FARM MANURE 5-8-3

This is a good grade of concentrated Manure, suitable for **lawns and flowers** as well as vegetables mentioned below. It is of exceptional value and will prove a **money-maker** to every farmer or gardener that uses it.

To be used on	Rate per acre	To be used on	Rate per acre
Essex Rape	200 to 500 lbs.	Celery	700 to 800 lbs.
Asparagus	1,000 lbs.	Cucumber	400 to 800 lbs.
Beans	400 to 600 lbs.	Lettuce	500 to 1,000 lbs.
Beet	500 to 1,500 lbs.	Onion	500 to 1,500 lbs.
Cabbage	400 to 1,500 lbs.	Tomato	500 to 1,000 lbs.
Carrot	300 to 800 lbs.	Strawberries	500 to 1,000 lbs.

Price, 25 lbs., $1.20; 50 lbs., $2.10; 100 lbs., $3.80; 500 lbs., $16.50; 1000 lbs., $32.00; 2000 lbs., $56.00.

FERTILIZER MIXTURE 2-8-1. For fruit trees and small fruits, garden truck, tobacco, etc. Quick in starting, lasting in effect, giving firm, healthy growth and developing the fruit. Quantity of pounds to be used per acre. Beet, 500 to 1,500; Carrot, 300 to 800; Parsnip, 400 to 1,000; Potato, 500 to 1,000; Sage, 200 to 600; Salsify, 500 to 1,000; Turnip, 500 to 1,000; Blackberries, 400 to 800; Grapes, 400 to 500; Strawberries, 500 to 1000. **Price, 25 lbs., 95c; 50 lbs., $1.65; 100 lbs., $2.80; 500 lbs., $13.00; 1000 lbs., $23.50; 2000 lbs., $41.00.**

HUMUS "Hyper Humus" Brand. Recommended for top dressing or use on heavy clay soils. **Price, 100-lb. cases, each, $4.00; 5 cases, each, $3.50.** Ask us for prices on larger quantities.

SCOTCH SOOT (Genuine Imported)

Gardeners know the value of the genuine article for stimulating a healthy growth, of dark green foliage, and its beneficial effect in freeing the soil from slugs, grubs and cut worms. **Price, 25 lbs. $2.00; 50 lbs. $3.50; 100 lbs. $6.00; 500 lbs.,$25.00.**

MURIATE OF POTASH. Imported potash once again available. Should be used liberally, especially for all root crops. **Price, 25 lbs., $3.00; 50 lbs., $5.00; 100 lbs., $9.00.**

BONE, BLOOD AND POTASH

Fertilizer Mixture 5-8-7 Per Cent Analysis

This is our best brand of concentrated manure; excellent for mixing into potting soil or as a top dressing. It is a **money-maker.** For potting soil use about 20 pounds to a cubic yard of soil, and for the dressing scatter it about as thick as lawn grass is sown, after loosening the surface of the soil. It is excellent for Carnations if applied by the end of October or in November. It can also be applied as a liquid manure by using an 8-inch potful to a barrel of water.

Price, 25 lbs., $1.45; 50 lbs., $2.35; 100 lbs., $4.20; 500 lbs., $18.50; 1000 lbs., $35.00; 2000 lbs., $65.00.

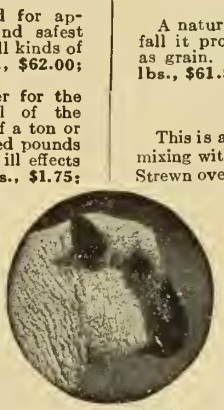
BONE AND BLOOD (Tankage). For Cabbage, Cauliflower, Corn and other crops of big surface growth; not desirable for root crops except it is used in connection with potash salts or hardwood ashes, and if so used it is especially adapted to fruits, if applied early. For garden crops use 300 to 500 lbs. per acre.

Price, 25 lbs., $1.35; 50 lbs., $2.25; 100 lbs., $4.00; 500 lbs., $16.50; 1000 lbs., $31.00; 2000 lbs., $59.00.

DRIED BLOOD. For top-dressing, for mixing with the soil, and for applying in liquid form, it is one of the best and safest nitrogenous fertilizers. It is splendid for roses, carnations, 'mums, all kinds of pot plants. **Price, 100 lbs., $7.40; 500 lbs., $32.00; 1000 lbs., $62.00; 2000 lbs., $118.00**

HARDWOOD ASHES. This is also a splendid fertilizer for the lawn and garden, containing all of the fertilizing elements except nitrogen. If used on the lawn at the rate of a ton or more per acre as a first application, an annual dressing of three hundred pounds afterwards, will insure a thrifty growth of dark color, exemption from ill effects of dry weather and freedom from weeds. **Price, 25 lbs., $1.00; 50 lbs., $1.75; 100 lbs., $3.00; 500 lbs., $12.50; 1000 lbs., $22.50; 2000 lbs., $40.00.**

IMPORTED ENGLISH FERTILIZERS



We are glad to be able once more to offer these imported Fertilizers to our customers at reasonable prices. During the war they were unprocurable, the manufacturing plants being engaged in production of war material.

CLAY'S FERTILIZER. This valuable imported manure is especially recommended to all who grow either fruit, flowers or vegetables, and wish to bring them to the highest perfection. It should also be used in potting soil and as a top-dressing. **Price, 7 lbs., $1.25; 14 lbs., $2.25; 28 lbs., $4.00; 56 lbs., $7.50; 112 lbs., $14.00.**

THOMPSON'S "SPECIAL" TOP-DRESSING MANURE

Also called "Chrysanthemum" Manure. An excellent stimulating manure for top dressing for Chrysanthemums and similar plants. It is entirely soluble and very powerful, especially suitable for top-dressing plants in pots during the growing season. **A heaped dessertspoonful will be sufficient for a ten-inch pot,** sprinkled over the surface of the soil and watered in with tepid water. This may be given three times during the growing seasons. Best results will follow. **Price, 7 lbs., $1.25; 14 lbs., $2.00; 28 lbs., $3.75; 56 lbs., $7.00.**

THOMPSON'S VINE, PLANT AND VEGETABLE MANURE

So compounded as to combine **stimulating** with **lasting effects.** A safe and reliable food and stimulant for every fruit-bearing plant, for foliage and flowering plants, for vegetables and out-door plants of every description; admirably adapted for mixing with the soil when potting **in the proportion of 4 lbs. to each wheelbarrow of soil. Price, 14 lbs., $1.75; 28 lbs., $3.25; 56 lbs., $6.00; 112 lbs., $10.00.**

PURE ICHTHEMIC GUANO

An Ideal Plant Food, that exactly fulfills all the requirements of plants and flowers, fruit and vegetables in a well-balanced form, so as not to stimulate one feature of the growth at the expense of another. It is clean in use, absolutely reliable, and may be safely applied in the prescribed quantities. **DIRECTIONS FOR USE.**—(1) In the dry state, **1 to 2 ounces to the square yard of ground.** (2) In a liquid state, **a tablespoonful to a gallon of water** in the case of pot plants, about three times a week. (3) In a dry state mix with soil, when potting, **1 part to 100 parts of soil.** Vines take a larger quantity, being applied in the early stages at the rate of ½ lb. to the square yard while growing, and at the time of growing, use a solution of **four tablespoonfuls to the gallon of water.** Imported in original bags of 112 lbs. each.

Price, 28 lbs., $2.75; 56 lbs., $5.00; 112 lbs., $9.50.

Prices are unsettled. In case market declines, orders will be filled at market prices and differences refunded.

VAUGHAN'S "ROSE GROWER" BONE MEAL

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the Western prairies. Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Ammonia, 4½ to 5½ per cent; total phosphoric acid, 22 to 25 per cent; bone phosphate, 48 to 54 per cent.

Price, 5 lbs., 60c; 10 lbs., $1.10; 25 lbs., $1.85; 50 lbs., $3.15; 100 lbs., $5.50; 500 lbs., $26.50; 1000 lbs., $49.00; 2000 lbs., $94.00.

REGULAR BONE MEAL, Analysis 4½-7.

Price, 25 lbs., $1.30; 50 lbs., $2.35; 100 lbs., $4.25; 500 lbs., $19.50; 1000 lbs., $38.00; 2000 lbs., $67.00.

Quantity Required. For permanent pasture and mowing lands, ½ to 1 ton per acre; for trees and vines, 2 to 4 quarts each; for top-dressing, 1,000 to 1,500 lbs. per acre; rose beds and plants, 1 part to about 50 of soil; for starting a new lawn, as a base, 3 to 5 lbs. per 100 square feet.

PURE RAW BONE, Coarse Ground. Excellent material for vine borders or greenhouse benching. Also all bulbs, indoors and outside. Fine for roses. High analysis. Send for sample. **Price, 100 lbs., $4.50; 500 lbs., $20.00; 1000 lbs., $38.50; 2000 lbs., $70.00.**

PULVERIZED LIMESTONE

The best form in which to apply lime as a neutralizer for acid soils. It is not caustic and will not burn the humus in the soil, consequently can be applied any time of the year without danger. **Price, 10 lbs., 50c; 25 lbs., $1.00; 50 lbs., $1.50; 100 lbs., $2.00; 500 lbs., $7.50; 1000 lbs., $12.50; 2000 lbs., $20.00.**

NITRATE OF SODA or Chili Saltpeter

Nitrate of Soda is not a substitute for other manures, but we recommend it as the cheapest and best form in which to apply Nitrogen to plants. Gardeners who are using farm manure should continue to use it, but use Nitrate of Soda in addition to other fertilizers. If your object is **to grow maximum crops** you must in some way furnish the plants with Nitrogen. No matter what manure or fertilizer is used the Nitrogen must be converted into Nitrate before the plants can use it.

Price (subject to market changes), 5 lbs., 55c; 10 lbs., 95c; 25 lbs., $1.65; 50 lbs., $2.85; 100 lbs., $5.20; 500 lbs., $24.50; 1000 lbs., $47.00. Write for prices on larger quanatities.

CATTLE MANURE (Shredded)

A natural fertilizer for all general purposes. If applied to the lawn in the fall it protects grass roots through the winter. As easy and clean to handle as grain. **Price, 100 lbs., $4.10; 500 lbs., $17.90; 1000 lbs., $34.00; 2000 lbs., $61.50.**

VAUGHAN'S SHEEP MANURE

This is a pure, natural manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest liquid manure. For use in liquid form one pound to five gallons of water will make a liquid which can be used with safety daily. **Price, 5 lbs., 50c; 10 lbs., 90c; 25 lbs., $1.55; 50 lbs., $2.30; 100 lbs., $4.10; 500 lbs., $18.00; 1000 lbs., $34.00; 2000 lbs., $63.00.**

VAUGHAN'S LAWN AND GARDEN FERTILIZER

Make first application in early spring, when frost is out of the ground, distribute evenly 25 lbs. fertilizer to every 1,000 square feet of lawn. In seeding down new lawn, scatter double the amount, 50 lbs. of fertilizer on every 1,000 square feet; rake in thoroughly, then sow seed. **Price, 5 lbs., 45c; 10 lbs., 85c; 25 lbs., $1.40; 50 lbs., $2.35; 100 lbs., $4.25; 500 lbs., $18.75; 1000 lbs., $36.00; 2000 lbs., $68.00.**

ACID PHOSPHATE 16%. Used on grain crops and others requiring an excessive amount of phosphoric acid. **Price, 25 lbs., 95c; 50 lbs., $1.40; 100 lbs., $2.35; 500 lbs., $9.25; 1000 lbs., $16.25; ton, $27.50.**

VAUGHAN'S CONCENTRATED PLANT FOOD

A most useful Fertilizer for all kinds of plants raised in pots. It produces a rapid and vigorous growth and an abundance of flowers.

Package containing food for 20 plants for 3 months, **20c; 3 for 55c;** large package, containing sufficient plant food for one year, **30c; 3 for 80c;** if by parcel post, add 5c for small package and 10c for large package.

SULPHATE OF AMMONIA. Used for its Nitrogen. A very desirable fertilizer for all plants in which a large leaf development or rapid growth is desired. Use 1 pound to 50 square feet of ground or bench or a tablespoonful to a bushel of soil, or 3 gallons of water.

Price, 25 lbs., $2.50; 50 lbs., $4.50; 100 lbs., $8.00; 500 lbs., $37.50.

HORN SHAVINGS. These are largely used by florists on such plants as Fuchsias, Geraniums, etc., and in the large vases in Parks and Cemeteries, to supply food after the natural fertility of the soil is exhausted. **Price, 25 lbs., $2.50; 50 lbs., $4.50; 100 lbs., $8.00; 500 lbs., $35.00.**

We are not responsible for loss in weight of Imported Fertilizers, due to evaporation.

Double and Single Wheel Hoes

IRON AGE

HILL and DRILL Seeders

Sold to do One or Both Operations.

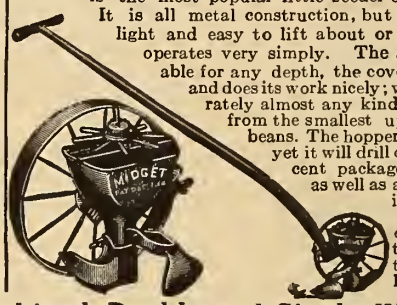
Write for 1923 Booklet

We are Special Agents for IRON AGE Tools

THE Day of the Garden is here. There is fascination, pleasure and profit in the right kind of a garden. The great drudgery of the old-time garden of spading, raking and hoeing has by the introduction of modern garden tools been largely minimized. **With the Wheel Hoes,** the gardener, amateur or professional, large or small, can work over this garden ten times with the same labor required before for a "once over"; he can prepare the ground, furrow, weed, hoe, cultivate, ridge and cover. With the hand seed drills the modern cultivator saves seed and the labor of thinning, for the machine plants so accurately that each seed is dropped exactly where wanted, in continuous rows or in hills. It is not only in the labor saving alone that these tools are valuable, but their use also helps produce better crops than possible by the old method. Fertilizer attachments are made which drill in this plant food where wanted without the awful loss of hand-scattering. A woman, boy or girl can easily operate any "Iron Age."

More than 30 years' experience selling garden tools has shown us that the "Iron Age" line is the best in every way. Built right, of the best materials obtainable and designed to do all the sowing and cultivating necessary in a first-class garden. They are complete, adaptable tools—the kind you don't want to part with after you have once used them and know what they will do. Read various numbers and prices carefully, order accordingly.

Midget Seeder With Handle

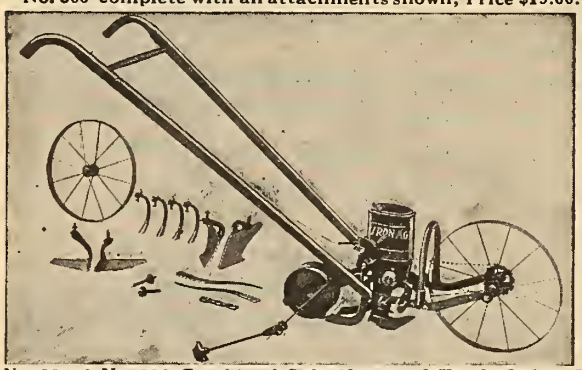


is the most popular little seeder on the market. It is all metal construction, but it is extremely light and easy to lift about or to empty. It operates very simply. The shoe is adjustable for any depth, the coverer swings free and does its work nicely; will handle accurately almost any kind of garden seed from the smallest up to peas and beans. The hopper holds one pint, yet it will drill out clean a five-cent package of seed just as well as a hopper full It is equipped with a 4½-foot handle. Full directions attached to every Seeder. **Price, $4.25.**

No. 306 Combined Double-Single Wheel Hoe, HILL and DRILL Seeder

Four machines in one—a hill seeder, a drill seeder, a double wheel hoe to work astride the rows, a single wheel hoe to work between—each Tool complete and the equal of any tools on the market. The cut below shows **No. 306** set up as a seeder (but with all parts in the picture),—sows accurately in hills at 4, 6, 8, 12 or 24 ins. apart or in drills and quickly changeable.

No. 306 complete with all attachments shown, Price $19.00.



No. 304 Combined Double and Single Wheel Hoe and DRILL Seeder Like 306 but is a "Drill" seeder only and with different plow. **Price $18.50**

No. 314 A No. 306 Combined Side Hoes and Teeth Only. Price $17.75.

No. 315 Combined Single Wheel Hoe HILL and DRILL Seeder

Will accomplish about all the work of the No. 306 except that it is a Single Wheel Tool. Takes about same tools and attachments as the No. 306. In its Seeder form sows either way, in drills or hills. Has strong malleable iron frame, the 16 in. wheel and is simply and easily changed and adjusted.

No. 315. Price, Complete, $15.50.

No. 316. The HILL and DRILL Seeder. **Price $13.75.**

No. 317 Combined Single Wheel Hoe and Drill Seeder is the same as No. 315 without hill-dropping device. **Price $14.50.**

No. 315 Price Complete $15.50

No. 3018 B Price $15.50 Special Pattern For Planting Seed for Big Onions And Sets

No. 318 DRILL Seeder only. **Price $13.25**

No. 12 Wheel Plow and Cultivator

An extremely light, yet strong tool, designed for use in a small kitchen garden—it will plow, open furrows and cover them, hoe, rake, cultivate or ridge crops. This is sufficiently low-priced to be within the reach of any small garden owner. A great labor saver. **Price. No. 12, $6.00.**

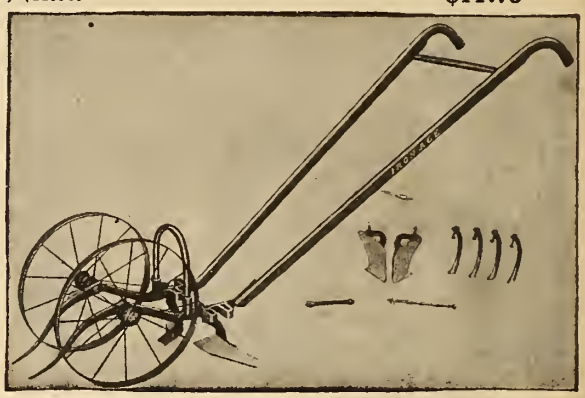
No. 12 Price $6.00

No. 11 Wheel Plow and Cultivator is practically the same tool except furnished with plow only. **Price $4.50.**

No. 301 Combined Double and Single Wheel Hoe

This is the Wheel Hoe form of the No. 306. Can be made into Single Wheel Hoe in one minute. Cultivates astride the row close up on each side without injury to the plants or between any width rows with hoes reversed. The high wheels make it an easy-running machine. Includes (for **$11.75**) all parts shown in cut below. **No. 301R.** Includes pair rakes besides all other parts. **Price, $12.50.**

No. 301 Price $11.75



Wheel Hoe with only the hoes order No. 303. Price, $8.00

No. 320 Single Wheel Hoe

The Wheel Hoe form of **No. 315.** Tools include side hoes, cultivator teeth, and landside plow. Seeder attachments for drill and hill or drill only can be applied any time. **No. 320, Price $8.00.**

Same tool with rakes is **No. 320R. Price, $9.00.**

When wanted plain, with side hoes only. **Order No. 321, Price, $6.00.**

No. 308 HILL and DRILL Seeder Extra Large

An extra large capacity drill for market gardeners, etc. Wheel 16 ins. high with 1¾ in. tires—runs easily over soft ground. The hopper contains 3 quarts—enough for a round with long rows. Will sow the same seeds as No. 306. The adjustment for the quantity of seed is also the same.

The marker is adjustable for widths from 6 to 20 inches. The seed sowing is always in full view. Opening plow may be adjusted to sow at correct depth.

No. 308 Price, complete, $16.00

PROMPT DELIVERY

By reason of our central location at Chicago and New York City, and by special arrangement with seedsmen known to us in other large cities, we are prepared to make QUICK SPECIAL DELIVERY of both Iron Age, and other gardening tools generally within 2 days from receipt of order, often in one day.

IRON AGE FARM AND GARDEN IMPLEMENTS

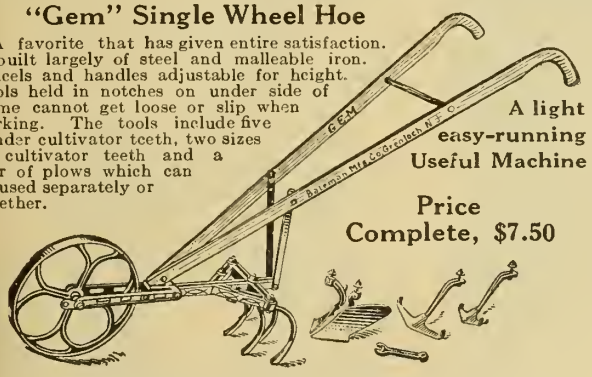
No. 19C Wheel Plow and Cultivator

Price No. 19C $5.25

A popular tool of great strength. This tool will do plowing in light soils, and will open furrows for seed or fertilizer. Cannot be excelled as a one-wheel cultivator. Has two sizes of single teeth for work in narrow rows, scuffle hoe, set of three teeth on a bracket and a landside plow. Landside fitted on the plow acts as a guide, absolutely necessary if you expect to make a clean cut furrow, to stay in the ground and do a real job. The 24-inch wheel travels over rough ground easily. Has long hardwood handles adjustable for height, with full plow-shaped grips.

"Gem" Single Wheel Hoe

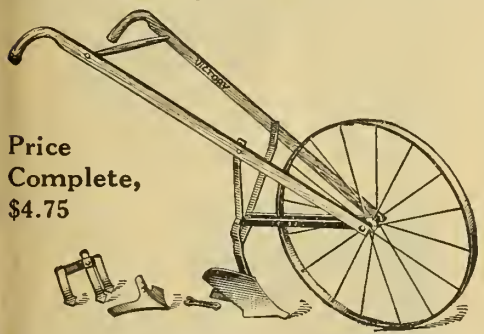
A favorite that has given entire satisfaction. Is built largely of steel and malleable iron. Wheels and handles adjustable for height. Tools held in notches on under side of frame cannot get loose or slip when working. The tools include five slender cultivator teeth, two sizes of cultivator teeth and a pair of plows which can be used separately or together.



A light easy-running Useful Machine

Price Complete, $7.50

Victory Wheel Plow and Cultivator

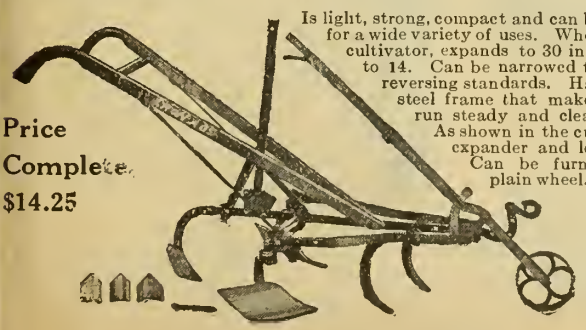


Price Complete, $4.75

Well put together. Steel construction throughout except handles, which are made of strong oak or ash. 24-inch wheel, rides easily over rough grouud. Tools furnished consist of a set of three cultivator teeth on a bracket, a scuffle hoe and a landside plow. Has hardwood handles with plow-shaped grips.

Victory Wheel Plow and Cultivator, $4.75

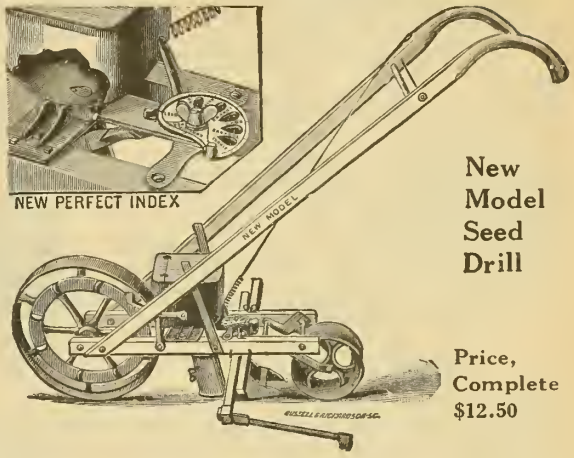
No. 600EL Horse Hoe and Cultivator



Price Complete, $14.25

Is light, strong, compact and can be adjusted for a wide variety of uses. When used as a cultivator, expands to 30 in. and closes to 14. Can be narrowed to 11 in. by reversing standards. Has long high steel frame that makes the tool run steady and clear of trash. As shown in the cut has lever expander and lever wheel. Can be furnished with plain wheel. **Price, $13.50,** or with plain wheel and without lever expander, **Price, $12 50.**

NEW PERFECT INDEX



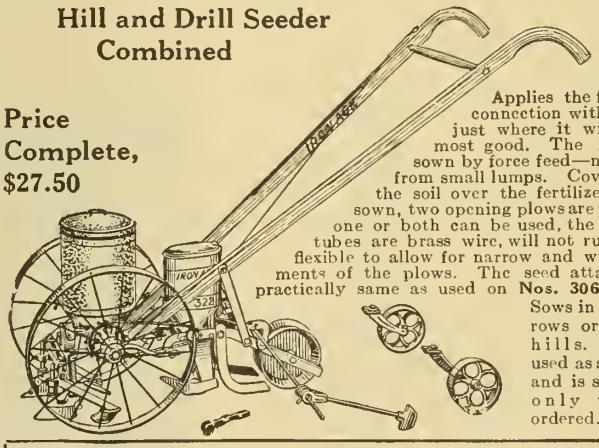
New Model Seed Drill

Price, Complete $12.50

New Model Seed Drill

Popular with seedsmen and market gardeners. Exact regulation of seed discharge by using an eccentric index or indicator which adjusts the slide for seed opening exactly where you want it. No series of holes which have to be used whether they answer or not. A swinging cut-off stops flow of seed—does not jam with falling seed.

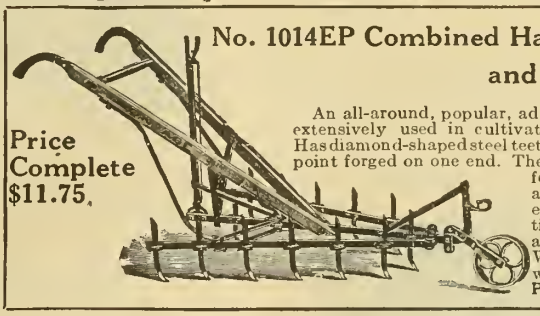
No. 322 Fertilizer Distributor, Hill and Drill Seeder Combined



Price Complete, $27.50

Applies the fertilizer in connection with the seed, just where it will do the most good. The fertilizer is sown by force feed—no stoppage from small lumps. Coverers draw the soil over the fertilizer soon as sown, two opening plows are provided—one or both can be used, the distributor tubes are brass wire, will not rust and are flexible to allow for narrow and wide adjustments of the plows. The seed attachment is practically same as used on **Nos. 306** and **315.** Sows in continuous rows or drops in hills. Can be used as side dresser and is sold as such only when so ordered.

No. 1014EP Combined Harrow and Cultivator



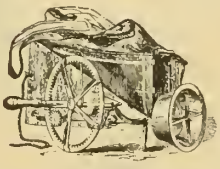
Price Complete $11.75.

An all-around, popular, adaptable tool. Is extensively used in cultivating sugar beets. Has diamond-shaped steel teeth with cultivator point forged on one end. They are adjustable for depth and angle. With lever expander, cultivates 34 in. wide and closes to 11. When furnished without wheel, **Price, $11.00.**

Corn Planter—Hand

"The Eagle." This is a rotary planter, having three different sized plates which can be easily changed. Each, **$2.75.**

Cahoon Seeder



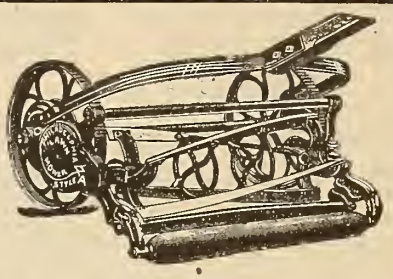
It will seed evenly four to six acres per hour. It will scatter the following distances: Wheat, Barley, Rye, 25 feet; Clover and Timothy, 18 to 20 feet. The bag and hopper hold about 22 quarts. Weight, 5½ lbs. Price, **$4.75.**

The Most Popular Quality Hand Tools

	Each		Each
Garden Hoe	$1.10	Dibber for transplanting	$0.75
12-Tooth Steel Rake	.65	Combination Hand Weeder	.40
Garden Spade	1.60	Excelsior Hand Weeder	.15
Spading Fork, 4-tine	1.35	Sheep Shears for cutting grass around trees and houses	.45
Garden Line for laying out rows	1.00	Garden Shovel	1.60
Vaughan Trowel	.90		
Ordinary Garden Trowel	.15		

The Genuine Philadelphia Lawn Mowers

FOR HALF A CENTURY THE STANDARD OF QUALITY



THE genuine Philadelphia Lawn Mowers are the recognized standard for high-class machines. They are universally used in cemeteries and parks, where they are run constantly, day after day. The ordinary mowers cannot stand such usage. The knives are made of vanadium crucible steel, and do not require constant sharpening. The bearngs are easier running than ball-bearings, and do not become clogged with dirt. A lawn mower of this quality for home use, will be the best labor-saving device one could invest in—always sharp, easy running and going for years without the need of repair. We list the three highest grade machines made by the Philadelphia company. Write for catalog.

Style A. High wheel, all steel, very easy to run and light in weight. Ten-incb driving wbeels. Long, large bearings, four blades, double ratchet. More of these mowers used by parks and estates than all other makes combined. Thrce gears on one side.

15 in.	17 in.	19 in.	21 in.
$21.00	**$24.00**	**$27.00**	**$29.00**

Style K. Cylinder with 5 blades. Driving wheel 10 inches. Big bearings, bored with rifle-barrel accuracy. Vanadium crucible steel blades. Very durable. Single pinion gears on both sides.

14 in.	16 in.	18 in.	20 in.
$17.00	**$19.25**	**$21.00**	**$23.00**

Graham. Named for the president of the Philadelphia company. The finest lawn mower made. All steel cylinder, 4 blades. Driving wbeels 10 inches. Train of gears for easy running on both sides. Bearings absolutely accurate. Wheels, gears and cylinders can be removed without disturbing other adjustments.

17 in.	19 in.
$26.50	**$29.00**

Philadelphia Grass Collectors. Have a galvanized iron bottom and never-rip cloth connections. Always be careful to state size and style of Mower when ordering. **14 and 15-inch, $2.75; 16 and 17-inch, $2.85; 18 and 19-inch, $3.15; 20 and 21-inch, $3.25.**

Easy Emptying Grass Catchers

Easily adjusted to any lawn mower. Its strong features are a bandle which gives a balanced grip and enables catcher to be readily lifted off, carried, emptied and quickly set on the mower again. A non-slippinig bottom, which prevents the grass from slipping forward while mowing. Round backs, so operator will not strike his toes on square corners.

Style 1G, for mower 12 to 18 inches, long wood handle ..... Price **$2.25**

Style 2G, for mower 16 to 22 inches, long wood bandle **2.50**

Style 23B, for mower 12 to 18 inches (square back), attacbed to mower by brackets **1.50**

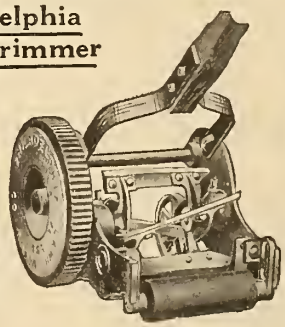
Style 24G, for mower 18 to 22 inches (square ack), attached to mower by brackets **1.65**

Eagle Phila. Horse Lawn Mower

The roller of this Mower is in two sections and is 14 inches high, making tbe 40-inch machine light work for one horse. Weight, exclusive of shafts, 35 incb, 580 lbs.; 40 inch, 610 lbs. **Price** (including seat, shafts and side-draft attachment) f. o. b. Chicago or New York: **35-inch cut, $150.00.**

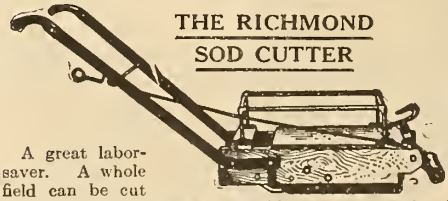
N. B.—We can also supply any standard make of Horse Mowers. Write for prices before purchasing.

Philadelphia Lawn Trimmer



Does what Lawn Mower leaves undone. Having one side without wheel, it can run close to walls and trees, cutting grass clean and quick. Can also be used for trimming edges of walks, etc. **Price, each $7.00, complete.**

THE RICHMOND SOD CUTTER



A great labor-saver. A whole field can be cut without removing the sod, provided a narrow strip of about one inch in width is taken out at the start. **Price, $33.00.**

Lawn Rollers

Genuine Dunham Water Weight Rollers

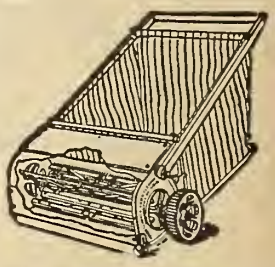
Water Ballast Lawn Rollers, steel handles, roller bearings, acetylene welded drums with anti-turf-tearing tires, positively non-rust shut water entrance. The most efficient and easiest running roller made.

No.	Diam. in.	Length in.	Sections	Wt., empty	Filled water	Price
1420.....	14	20	1	65	200	**$15.00**
1824.....	18	24	1	80	310	**19.00**
2424.....	24	24	1	115	500	**21.50**

Motor Mowers

When in the market for Motor Mowers, write us for prices and leaflets, as we are able to quote low prices on all standard make macbines.

Gem Lawn Sweeper



This machine will clean the lawn more thoroughly and quickly than three or four men with hand rakes, and greatly benefit the turf. Put together in the most durable and thorough manner. The rakes are flexible, the rake-heads being divided in the middle and hung on easy-swinging hinges which are kept in position by retaining springs. We can guarantee the machine to do good work. **Price, 24-inch wide, each, $30.00.**

IDEAL LAWN EDGER

For trimming around edges of lawns and walks. A remarkable tool for any lawn. Adjustable to any grade, and will run close to the walk. Keep knife sharp. Do not use on soaking or wet ground Each.....**$3.25**

Sod Lifter

Polished steel blade, strap ferrule. D handle with ebonized wood grip. Length of handle 2¾ feet Length over all, 4 feet. **Price, each, $2.00.**

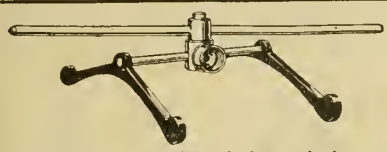
FOR THE LAWN, Etc.

HOSE, REELS, SPRINKLERS, RAKES, EDGERS, ETC.

ELECTRIC NON-KINKABLE HOSE

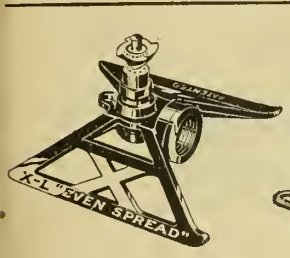
Best hose, finest quality of rubber. Will not kink and will last for years. We can supply any length and will fit with snap hose couplings if advised when ordering. Price, ¾-inch or ½-inch, per 25 feet, **$5 25**; 50 feet, **$10.00**; 100 feet, **$19.00.**

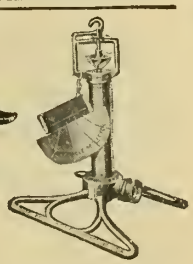
RAINBOW BRASS LAWN SPRINKLER



Low or high pressure. World's best rain insurance. Does not stick or rust. The water descends in small particles like mist and rain combined over an area of 40 to 50 feet, watering every inch of ground. Instantly set in motion with low water pressure. The Rainbow Sprinkler is supported on a brass sled, which may be easily drawn over the lawn. The Rainbow Lawn Sprinkler works perfectly from artesian well or tank pressure. **Each, $2.50.**

XL. No. 4 EVEN-SPREAD SPRINKLER





XL. No. 4 Even-Spread Sprinkler

5 in 1—Can be used five different ways

Made substantial and sturdy, red enamel base. Head made of hard white anti-friction metal. Very simple and nothing can get out of order. Its efficiency and low price makes it very popular.

No. 4. Price, each, **$1.00**; 3 for **$2.75.**

No. 5 in 1. Price, each, **$2.25**; 3 for **$6.50.**

LINCOLN PARK OR BUTTERFLY

Cheapest and best Sprinkler made. Each, **35c.**

Mounted on stand: 2-foot, **90c**; 4-foot, **$1.00**; 6-foot, **$1.10.**

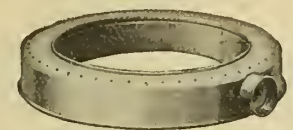
THE EVANSTON SPRINKLER

One of the best lawn sprinklers on the market; has no revolving parts to wear out and will not clog with sand or dirt. Gives an even distribution of water over a large area. The fineness and symmetry of its spray makes it especially desirable for new lawns and flower gardens. Its location may be changed while under full working head with perfect ease, by the aid of a wire or cord. Weight, 2 lbs. **Each, 70c; 3 for $2.00.**

CYCLONE SPRINKLER

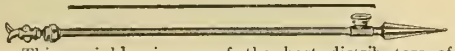
Three-Arm Lawn Sprinkler, which can be operated with a moderate pressure, covers a wide area and distributes the water evenly. The revolving arms throw the water in a fine spray into the air and the motion produces a fine mist. Height, about 1 foot. **Each, $2.25; 3 for $6.50.**

FOUNTAIN SPRINKLER



The mist-like spray that has made the name Fountain known all over the land. Each, **75c**; by mail, **85c.**

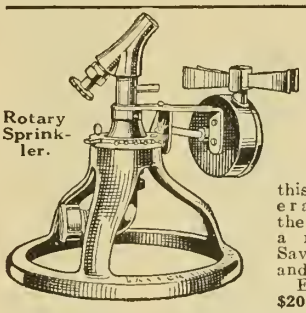
AUSTRALIAN SPRINKLER



This sprinkler is one of the best distributors of water, because of its rapid revolution and form of its wings, spraying the water very finely and evenly.

Mounted on stand, 2-foot, **90c**, 4-foot, **$1.00**; 6-foot, **$1.10**; 8-foot, **$1.20.**

ROTARY and OSCILATING SPRINKLER



Rotary Sprinkler.

This sprinkler is adjustable at will from bell shaped spray or full stream, half or full circle, 15 to 80 feet diameter. It is a pleasure to watch this sprinkler in operation. It does the work better than a man can do it. Saves time, labor and money.

Each, **$7.50**; 3 for **$20.00.**

THE "SNAP" HOSE COUPLER

Best coupler, simple, durable, always tight, for ¾-inch hose. Per pair, 45c.

HOSE COUPLER, Brass, for ½ or ¾-inch hose. Each, **25c**; doz., **$2.50.**

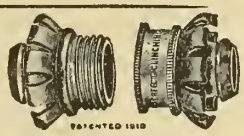
Hose Clamps, Bull Dog. Each, **6c**; doz., **60c**, Ppd.

Hose Straps, Caldwell. Used in fastening coupler on hose. Each, **5c**; doz., **35c.** Pliers for same, **35c.**

PERFECT CLINCHING COUPLER

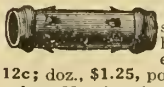
¾-inch, per pair, **30c.**

Perfect Clinching Hose Mender



A self fastening coupling that doesn't require extra bands, bolts or wires. It adjusts itself to any thickness of hose. ¾-inch, each, **15c**; doz. **$1.20.**

THE COOPER HOSE MENDER



Best hose mender. Copper, with sharp barbs on either end, prevent hose slipping off. ½ or ¾-inch, each, **10c**; doz., **$1.00**; 1-inch each, **12c**; doz., **$1.25**, postage, **5c** doz. extra.

Iron Mender, for ¾-inch hose. Each, **7c**; doz. **70c.**

HOSE WASHERS, ¾-inch, per doz., **5c**; gross, **50c.**

LAWN RAKES

Automatic Self Cleaning A backward motion of the operator clears all the teeth at once. **Each, $1.25.**

Lawn Queen. Wire teeth, reversible head; 24 teeth. **Each, 90c**; 36 teeth, **$1.25.**

Gem Dandelion Rake. Will keep dandelions off your lawn. Fine blade-like steel teeth. Easy working, self-cleaning stripper. Greatly improves the appearance of lawn. **Cannot tear or injure the sod.**

Large Size $3.50

Medium Size $2.50

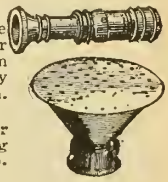
HORSE LAWN BOOT

Indispensable where Horse Mowers are used. Our boots are made to fasten round the ankle, and is the most humane boot on the market. Made in three sizes.

No. 2 for No. 2 horse shoe 5½ in. inside measure.
No. 4 for No. 4 horse shoe 6½ in. inside measure.
No. 6 for No. 6 horse shoe 7 in. inside measure.

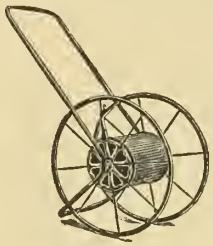
Price, per set of four, $13.00.

HOSE NOZZLES



Gem. Best all-around hose nozzle; can be used for lawn or garden, as it can be changed from fine spray to a stream by simply turning; for ¾-inch hose. Each. **90c**; by mail, **$1.00.**

Boston Rose Spray. Brass; for ¾-inch hose; useful for watering lawn and garden. Each, **$1.25.** by mail. **$1.35.**

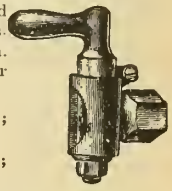


HOSE REEL — ALL IRON

Very light, frictionless; wheels being so high are very easily worked; no tipping when winding or unwinding hose.

No. 10 for 100 ft. ¾-in. hose.....**$3.50**

INSECTICIDE NOZZLES



These are especially designed for use in spraying insecticides. Made to fit ¼-inch pipe connection. if wanted to fit ¾-inch hose, order reducer, **45c extra.**

Bordeaux Nozzle. Each, **$1.00**; by mail, **$1.05.**

Vermorel Nozzle. Each, **$1.00**; by mail, **$1.05.**

BAMBOO EXTENSION ROD

Lined with aluminum. Eight feet long, with stop cock. Each, **$4.50.**

WEED KILLER

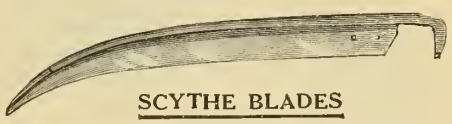
Herbicide. For use in clearing grass and weeds from roads, gutters, tennis courts. Use with 20 to 40 parts of water.

½-gal....**$1.10** 1-gal....**$1.90** 5-gal....**$7.50**

GRASS HOOKS OR SICKLES

English. Riveted back. Each....**85c**

Domestic. Best quality.....**85c**

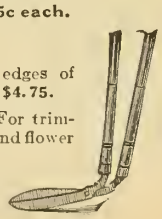


SCYTHE BLADES

English, riveted back, 30-inch, **$3.00**; 36-inch, **$3.25**; Scythe Snath, each, **$1.50.**

Scythe Stone. Natural, **15c each.**

SHEARS



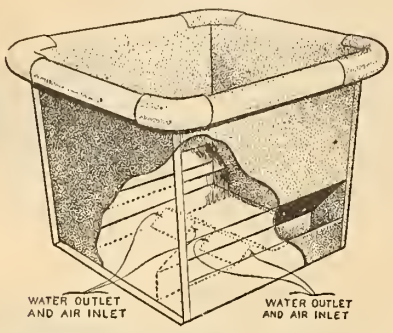
Border — For trimming the edges of borders and walks. 9-inch, **$4.75.**

Sheep—With thumb guard. For trimming grass on edges and around flower beds. Each, **50c.**

Sheep — Best quality steel, 6-inch blade, **$1.35.**

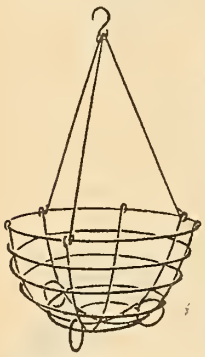
Owing to the fluctuations of the market, prices are subject to change without notice.

SUCCESS SELF-WATERING HANGING BASKETS



Vines and flowers grow luxuriantly in these baskets. They require watering only once a week. A water pocket extends the full length of basket, from which tube leads into the basket itself. Finished in an attractive shade of green. "Never leak a drop" may be hung on chains or set on small table. Prices do not include chains.

No.	Depth	Square	Price	No.	Depth	Square	Price
10	7¼ in.	10 in.	$2.25	14	10¼ in.	14 in.	$3.00
12	8¼ in.	12 in.	2.50				



BASKETS—Wire, Hanging. Each, 6-in., **20c**; 8-in., **25c**; 10-in., **30c**; 12-in., **35c**. 14 in., **45c**; 16 in., **65c**.

Earthenware Hanging.—Terra Cotta. Without hanging wire.

	Each	Doz.
7 in.	$0.40	$4.00
8 in.	.50	5.00
9 in.	.60	6.00
10 in.	.80	8.00
12 in.	1.15	12.00

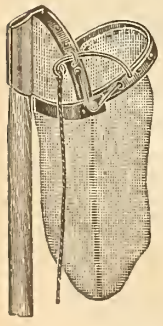
BOXES—Cut Flower.—Vaughan's "Green" Grade green lined, moisture-proof board. Very popular.

Size inches	Weight per 100	Per 100	Size inches	Weight per 100	Per 100
3 x18x5	40 lb.	$ 5.25	3½x30x5	75 lb.	$ 8.00
3 x21x5	45 lb.	5.75	4 x24x8	85 lb.	9.00
3½x24x5	60 lb.	6.50	5 x28x8	105 lb.	11.00
3½x21x7	65 lb.	7.50	5 x36x8	135 lb.	15.00
6 x40x10	170 lb.	21.00			

The Little Wonder No-Drip Hanging Basket

A self-watering basket which gives the plants plenty of air and perfect drainage, thus promoting the greatest possible growth. The patented irrigator and no-drip feature of this basket make it an ideal basket for either porch or inside use.

	Each.
Price, 5-inch	$0.90
6-inch	1.00
7-inch	1.25
9-inch	1.75
14-inch	2.50



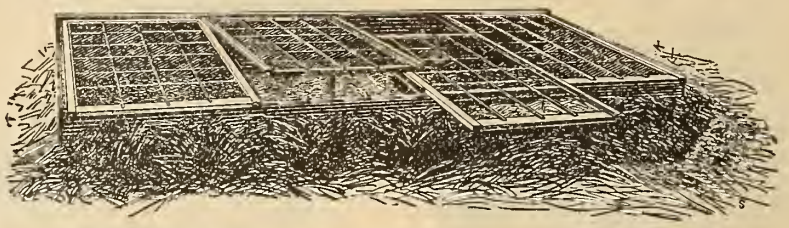
FRUIT PICKER.—**Master Fruit Picker** is built with a stout canvas bag hung on a strong metal frame with a mouth or lip operated by a line from below. Reaches all branches, high or low, works quickly, keeps fruit from getting bruised, does away with ladders.

Each..... $1.50

TURF EDGER

American..... Each, **$1.10**

VAUGHAN'S GARDEN



HOTBED SASH

HOTBED SASH—Made of the very finest material. **Unglazed** are not painted. **Glazed,** painted one coat. Single strength glass. Add **95c.** per sash for double strength.

Size, 3x6 ft., holds 3 rows 10-inch glass.
Unglazed, each, **$2.75**; 3 for **$7.90**; doz., **$30.00.**
Glazed, single strength glass, each, **$6.00**; 3 for **$17.50**; doz., **$68.80.**

Size, 38 inch x6 ft., holds 4 rows 8-inch glass.
Unglazed, each, **$3.00**; 3 for **$8.75**; doz., **$33.60.**
Glazed, each, **$6.20**; 3 for **$18.20**; doz., **$70.50.**

Sash with double lights, making air cushion between for warmth.

Size, 3x6 ft., 3 rows 10-inch glass,
Glazed, single strength (for double strength add **$1.90** per sash). Each, **$10.75**; 3 for **$31.50**; 6 for **$62.00.**

Prices include Crating. F. O. B. Chicago. Prices subject to change without notice.

RED DEVIL GLASS CUTTER. Each, **25c.**

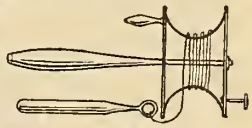
GLASS CUTTER DIAMOND. Each, **$5.00**

GLAZING POINTS. — Vaughan's Perfection No rights or lefts; No. 2, small, for single thick glass; No. 2½, double thick, for greenhouses and skylights. Price per box of 1 lb., **70c**; by mail, **80c.**

Siebert's Improved.—Easy to drive, and will not wedge or crack glass, 2 sizes, ⅝ and ⅞-inch long. Price per lb., **70c**; by mail, **80c.**

GLOVES.—Gardener's. Per pair, **$1.75.**

GARDEN LINE REEL.—Each, **$1.10**; (weight 2 lbs.)



GARDEN LINE. Each heavy braided. Per 100 feet, **$1.00**; by mail, **$1.10.**

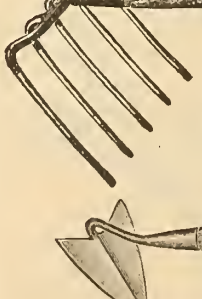
GRAFTING WAX.—Per ¼ lb. bar, **15c**; ½ lb. bar, **25c**; 1 lb. bar, **45c.**

HOES

Draw or Field. Socket handle. Each, **$1.10.**

Combination Draw and Rake. 4½-inch cut and 4 teeth. Each, **$1.00**; 6½-inch cut and 6 teeth, **$1.10.**

English Scuffle or Push. 6-inch, **$1.25**; 8-in., **$1.45.**



Prong Hoe or Potato Hook. Five round tines; a handy tool for loosening the soil and digging potatoes.

Each..... $1.25

Warren. 7 in. cast steel, polished blade, best Garden Hoe made. Each, **$1.25.**

KNIVES

KNIVES.—Asparagus. Straight Cut. Each, **45c**; by mail, **50c.**

Asparagus. Fishtail. Each, **50c**; by mail, **55c.**

Budding. Ivory handle. Each, **$2.75**; by mail, **$2.80.**

Budding Knife. Imported, 2 blades. Stag handle. Each, **$2.00**; by mail, **$2.10.**

Propagating. Ivory handle. Each, **$2.75**; by mail, **$2.80.**

Propagating. "The Vaughan," best of all. Each, **$1.25**; by mail **$1.30.**

Pruning. Stag handle, English. Each, **$2.50**; by mail, **$2.55.**

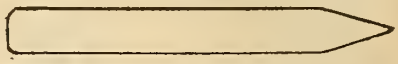
Potato Knife. "The Humphrey." Will cut to one or more eyes without injuring the vital tissues. Each postpaid, **35c**; 3 for **$1.00.**

HOT BED MATS AND PLANT BED CLOTH

Burlap Mats, lined, waste wool and cotton quilted. **Size A,** 40x76 in., **$2.65 each; per doz., $29.00. Size B,** 76x76 in., **$4.00 each; per doz., $42.00.**

PLANT BED CLOTH. For Flower Beds, cheap substitute for glass, answering many uses equally well, width 36 in., 20 to 60 yards, medium, per yd., **23c**; heavy, **30c**; 60 to 100 yds., medium, per yd., **21c**; heavy, **28c**; not less than 20 yds. of a kind sold.

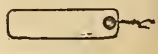
LABELS.—Zinc Tree. Wired 3¾ inches long, ¾ inch wide. Price per dozen, **25c**; 100, **$1.60.**

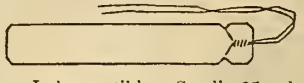


Wooden. For pots, painted.

	100	1000		100	1000
4-in.	$0.30	$1.75	6-in.	$0.45	$ 2.90
5-in.	.35	2.40	12-in.	1.15	12.00

Tree, Copper Wired. 3½ in. 100, **40c**; 1000, **$2.65.**





Copper. Indestructible. Small, **25c** doz; 100, **$1.60**; large, **35c** doz.; 100 for **$2.25.**

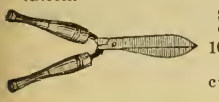
Cypress.—For use outside, will last for years Splendid for Perennial Plants, ⅜-inch thick, 16x1¼ in. Doz., **60c**; 100 for **$4.00**; 18x2 in., doz., **75c**; 100 for **$5.00.**

DIBBER. For transplanting vegetable plants; steel point. Each, **75c**; (weight 10 oz.)

FORK.—Digging or spading, 4 tines. Strap Ferrule. Gardeners everywhere are adopting spading forks in place of solid blade spades; the forks not only turn up the soil, but at the same time breaks it up so that cultivation is much easier. Each, **$1.35.**

TOOLS and REQUISITES

SHEARS—Hedge. Genuine Sheffield, our importation.



8-inch, with notch....$3.00
9-inch, with notch.... 3.35
10-inch, with notch.... 3.60
Notch at crutch of blade to cut heavier branches.

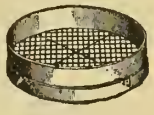
SHOVELS.—Ames. D handle, round point. Ea.$1.85
Ames. Long handle, round point. Each..... 1.85
Ames. D handle, square edge. Each..... 1.85

SPADES—Vaughan's. Special D handle. Ea..$1.60
Ames. D or long handle. Each..... 1.85

SPRINKLERS—The Lenox. A splendid Sprayer for in or outdoor plants, rose bushes, etc. Throws fine spray under or over foliage of any plant or shrub, removing dust and insects. Each, **55c**; by mail, **60c.**

Scollay's Rubber. Best sprinkler for plants, ferns and flowers.
Large.... $1.50 By mail..$1.55
Medium.. 1.25 By mail.. 1.30

SIEVES. For sifting soil. 18 inches in diameter, all sizes mesh from ¼ to ½ inch. Each, **$1.75.**



STAKES, WOODEN. Painted green.
Very useful for tying many plants.

Heavy Grade (for Dahlias)	Per doz.	Per 100
3 ft	$1.45	$ 9.00
4 ft	1.85	12.00
5 ft	2.35	15.50

Light Grade (for smaller plants)

	Per doz.	100		Per doz.	100
1½ ft.	$0.35	$2.25	3½ ft.	$1.15	$7.35
2 ft.	.50	3.20	4 ft.	1.40	8.75
2½ ft.	.75	4.40	5 ft.	1.75	11.00
3 ft.	1.00	6.00			

	Per 100	1000
STAKES—Cane. 6 to 8 feet long	$2.00	$10.00
STAKES—Cane. 9 to 11 feet long	2.40	17.00

Prices on cane Stakes f. o. b. Chicago.
Prices at New York 10 per cent. higher.

STAKES—JAPANESE BAMBOO Green Painted.

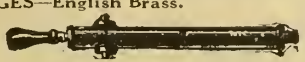
	100	1000		100	1000
1½ ft.	$0.75	$ 5.25	3 ft.	$1.35	$ 9.00
2 ft.	.95	6.25	3½ ft.	1.40	9.50
2½ ft.	1.10	7.50	4 ft.	1.50	10.50
Japanese Bamboo, not painted, 6 ft.		2.00			14.50

STAKES—Galvanized Wire.

No. 9 Wire	Doz.	100	No. 8 Wire	Doz.	100
1½ ft.	$0.20	$ .90	3½ ft.	$0.40	$1.25
2 ft.	.25	1.10	4 ft.	.45	2.25
2½ ft.	.30	1.35	5 ft.	.55	2.80
3 ft.	.35	1.60	6 ft.	.60	3.35

Prices wire stakes subject to change without notice.

SYRINGES—English Brass.

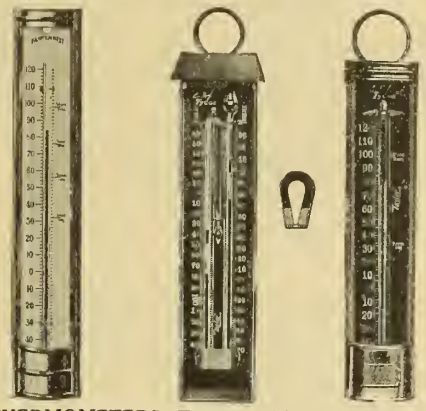


	Each
No. 0. Length 12½ in.; 15-16 in. in diam.	$2.50
No. B. Larger, 13½ in. long, 13-16 in. in diam	3.00
No. C. 14½ in. long, 15-16 in. in diam	3.75
No. D. 15½ in. long, 1⅛ in. in diam	4.50
No. 5. Best for general Greenhouse use	7.00
No. 12. 14 in. long, 1 in. in diam	4.00
No. 11. 18 in. long, 1 stream, 2 sprays	5.75

TUBS—(Flower) Richmond. These are made of best seasoned White Virginia Cedar, securely bound with welded wire hoops. Painted green with durable oil paint. Prices F. O. B. Chicago or New York.

No.	Each	Four	No.	Each	Four
1.. 6x 6	$0.75	$2.80	9..14x13	$2.00	$ 7.60
3.. 8x 8	.90	3.30	11..16x15	2.60	9.80
5..10x 9	1.05	4.00	13..18x17	3.25	12.60
7..12x11	1.50	5.80	14..19x18	4.00	15.60

If handles are required add 30c per tub.
First figure following number of tub gives diameter in inches at top of tub; second figure depth in inches.



THERMOMETERS. Tin Case. 8-in, **40c**; 10-in. **45c**
Cabinet. Wood case, **75c**; 3 for **$2.00.**
Hot Bed. Brass point, wooden frame, **$2.25.**
Self Registering. With magnet to set it, 8-inch, each, **$5.50**; registers highest and lowest temperature. Minimum for registering cold, **$2.25.**
Tin Case. Standard grade, tested. 8-inch, Ea. **$1.60.**
Thermometers shipped by Parcel Post at purchaser's risk only.

TOMATO SUPPORTS—Made of heavy galvanized wire.

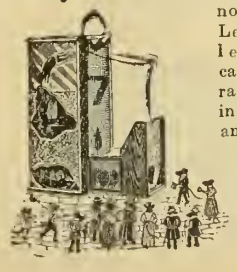
F. O. B. New York. Each, **35c**; doz., **$3.50.**
F. O. B. Chicago. Each, **40c**; doz., **$3.75.**

TRELLIS.—Wood. Fan-shape.

	Each	3 For
18-inch	$0.50	$1.35
24-inch	.55	1.50
30-inch	.80	2.25
36-inch	1.25	3.60
3½ ft., 21 in; wide	1.35	
4 ft., 27 in. wide	1.85	
5 ft., 32 in. wide	2.25	
6 ft., 38 in. wide	$2.60	
7 ft., 42 in. wide	3.00	

Veranda—18-inch wide, 5 feet, **$2.25**; 6-feet, **$2.45**; 7-feet, **$2.80**, 8-feet, **$3.20**, 9-feet, **$3.65**; 10 feet, **$3.85**

TRAP. "Peerless" Automatic Mouse and Rat. Resets after each catch. Requires no attention. Let the "Peerless" take care of your rats and mice in a sanitary and humane manner.

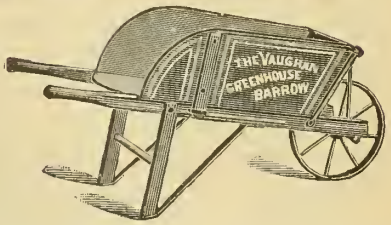


Prices, mouse trap, $3.00; rat trap, $8.50. Guaranteed

VASE. — Cemetery. — Earthen, green, 10-inch, sharp point, each, **45c**, three for **$1.25**, shipped by Parcel Post at purchaser's risk only.
Fibre. For Cut-Flowers. Unbreakable.
9 inches deep, 4½ in. diam., each, **$1.35.**
10 inches deep, 5½ in. diam., each, **$1.45.**
13 inches deep, 8 in., diam., each, **$1.85.**
18 in. deep 5½ in. diam., **$2.10.**

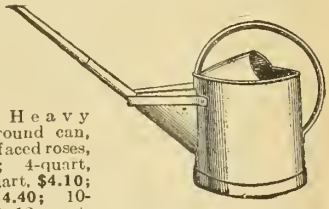
Green Cemetery Vase.

Fibre Glazed Vase



WHEELBARROWS.—Globe Garden. Inside measurements of box, 30 inches long, 19 inches wide at wheel end, 24 inches wide at handle end. 12 inches deep. Price, with 20-inch steel wheel, **$7.00.**
Vaughan's Greenhouse Wheelbarrow. Made of narrow measure, especially for work in greenhouse walks. Each, **$10.00.**

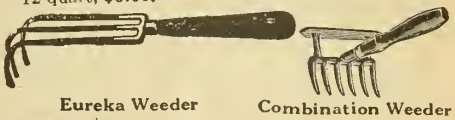
Watering Pots



American. Heavy galvanized round can, two copper-faced roses, long spout; 4-quart, **$3.75**; 6-quart, **$4.10**; 8-quart, **$4.40**; 10-quart, **$4.75**; 12-quart, **$5.10.**

Spout is cut off in illustration to reduce space.

French Style. Oval, otherwise same make as above; 6-quart, **$4.70**; 8-quart, **$5.00**; 10-quart, **$5.35**; 12-quart, **$6.00.**



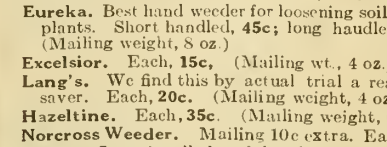
Eureka Weeder

Combination Weeder

Hazeltine Weeder

Lang's Weeder

WEEDERS.—Combination. Each, **40c.**
Eureka. Best hand weeder for loosening soil around plants. Short handled, **45c**; long haudled, **60c**; (Mailing weight, 8 oz.)
Excelsior. Each, **15c**, (Mailing wt., 4 oz.)
Lang's. We find this by actual trial a real labor saver. Each, **20c.** (Mailing weight, 4 oz.)
Hazeltine. Each, **35c.** (Mailing weight, 6 oz.)
Norcross Weeder. Mailing 10c extra. Each, **45c.**
Piqua. Long handled useful tool, makes weeding easy, no stooping. If by mail, add 25c. Price, **$1.35.**



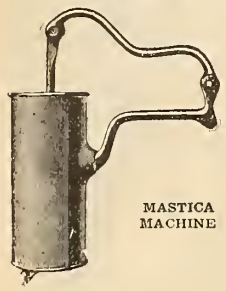
The Wonder Weeder. For Dandelion, Plantain, etc., in lawns. It gets the weeds, fast, clean and deep. It absolutely will not break up the sod. Just two simple movements and your weed is out. No backache, soiled hands or clothing. Each, **85c.** If by mail, add 25c.

TROWELS—Vaughan's Steel. One solid piece of steel and will outwear all others.

Each, **90c.** 3 for **$2.60**, Postpaid, each, **$1.00.**
Ordinary Garden. 6-inch, each, **15c**, prepaid, **20c.**
English Steel. 6-inch, each, **35c**; prepaid, **40c.**
Transplanting Trowel. Can be used either as a transplanter, dibber or weed digger, blade being deeply curved, 6-inch, **25c**; postpaid, **30c.**

MISCELLANEOUS HORTICULTURAL SUPPLIES

BEST MATERIALS FOR GREENHOUSE USE



MASTICA. For glazing greenhouses, hotbeds, sash, etc., better than putty, does not crack, always remains soft. Per gallon, **$2.40.**

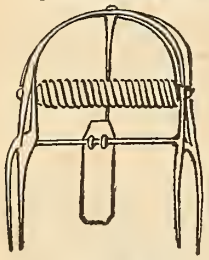
MASTICA MACHINE. For applying above. (Weight, 1½ lbs.) Each, **$3.00.**

PUTTY. Twemlow's Old English. Semi-liquid. Same as Mastica. Per gallon, **$2.75.**

PUTTY BULB. Scollay's. Useful tool with a tube for applying liquid putty in glazing greenhouses. (Weight ½ lb.) Each, **$1.50.**

PUTTY KNIFE. Each, **35c.**

GLAZETITE GLAZING CEMENT. A perfect compound for glazing, re-glazing and repair work on greeenhouses and sash. Made from a long fiber asbestos and elastic gums. For glazing purposes it requires about 3 gallons to each thousand feet of glass. Price, per gal., **$1.75**; 5 gals., **$8.50**; in 35 and 55-gal. drums, per gal., **$1.60.** Glazing gun gratis with each 35 or 55-gal. drum.



MOLE TRAP. Out O' Sight. One of the best mole and gopher traps. Each, **$1.25.**

MOSS. Sphagnum. Burlapped bales. Ea., **$2.00.**

SHEET MOSS. (Green). Freshly gathered; for Windows, Boxes, etc. Per sack, **$2.75.**

POTS (Flower)

F. O. B. Chicago. Write for New York Prices.

RED CLAY POTS. We pack these carefully, but will not be responsible for breakage.

	Doz.	100	1000		Doz.	100	Each
2 in..	$0.25	$1.35	$10.15	6 in.	$1.10	$ 8.10	.....
2½ in.	.30	1.60	13.50	7 in.	1.65	12.95	.....
3 in...	.45	2.45	17.00	8 in.	2.25	17.20	.....
4 in...	.60	3.25	.....	10 in.	.....	.....	$0.45
5 in...	.75	5.60	.....	12 in.	.....	.....	.75

PANS (Azalea).

	Each	Doz.		Each	Doz.
6 in.....	$0.12	$1.10	9 in.....	$0.32	$3.35
7 in.....	.18	1.65	10 in.....	.45	.....
8 in.....	.23	2.25	12 in.....	.75	.....

PANS (Fern).

	Each	Doz.		Each	Doz.
6 in.....	$0.12	$1.10	8 in.....	$0.23	$2.25
7 in.....	.18	1.65	10 in.....	.45	4.80

SAUCERS Fibre, waterproof and unbreakable.

	Each	Doz.		Each	Doz.
5 in.....	$0.35	$3.65	9 in.....	$0.50	$5.35
6 in.....	.40	4.00	10 in.....	.60	6.00
7 in.....	.45	4.25	12 in.....	.70	6.75
8 in.....	.48	4.95			

NEPONSET PAPER POTS.

Made of water-proof paper, light, clean and unbreakable.

	Doz.	100	1000
2¼ in....	$0.14	$0.60	$ 4.50
2½ in....	.17	.70	5.15
3 in....	.20	1.00	7.50
3½ in....	.23	1.15	8.00
4 in....	.28	1.35	10.75
5 in....	.35	2.00	16.50
6 in....	.40	2.60	21.50

POT HANGER. Kramer's. Converting flower pots into hanging baskets.
Price, each, **15c**; doz., postpaid, **$1.75.**

"SUCCESS" PORCH BOXES (Model D)

Made on the same principle, but they are wider and deeper than window boxes and of heavier material. They insure thrifty growth of flowers and vines during the hottest summer months. Never drip, like old wooden boxes, finished in an attractive shade of green.

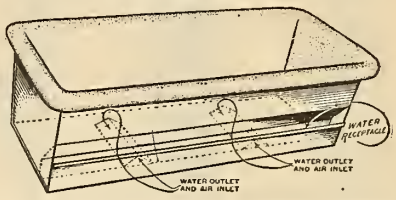
8 in. deep, 11 in. wide.			8 in. deep, 12 in. wide.		
No.	Length	Price	No.	Length	Price
23.....	42 in....	$5.25	25.....	60 in.....	$7.75
24.....	48 in....	6.25			

"SAVO" SELF-WATERING FLOWER BOXES

Savo Self-Watering Flower Boxes—one of the best of this type of flower boxes. Made of the best grade of galvanized steel with neat round corners and a full roll rim—beautifully finished in aluminum.

	Height	Width	Length	Price
Model A,	8 inches,	8 inches,	23 inches,	$3.00
Model B,	8 inches,	9½ inches,	29 inches,	4.00
Model C,	8 inches,	9½ inches,	35 inches,	4.50
Model D.	8 inches,	9½ inches,	41 inches,	5.00
Model E,	8 inches,	12 inches,	12 inches,	3.00
Model F,	12 inches,	12 inches,	12 inches,	3.50

"SUCCESS" SELF-WATERING FLOWER BOXES



The "Success" Window Boxes are substantially constructed of galvanized sheet steel, lock seamed and soldered watertight. A water pocket extends the full length of boxes, from which tubes lead into the box itself. This pocket with the tubes serve the following purposes, i. e.: Provides for watering the roots from below, allowing them to take up moisture as required; provides air circulation and ventilation, keeping the soil sweet and healthy; provides a perfect drainage should the plants be excessively watered by heavy rains or other causes. In fact, it serves as an accurate gauge as to the condition of the soil at all times. The boxes are finished in an attractive shade of green enamel and will prove an addition to any home, hotel or office building. Since they are watertight, they are especially adapted for inside use, serving to beautify the exterior during the summer and adding a touch of brightness during the winter.

Outside dimensions of Window Boxes:

Length	Width	Depth	Price
24 in.....	8½ in.....	6¼ in.....	$1.85
30 in.....	8½ in.....	6¼ in.....	2.25
36 in.....	8½ in.....	6¼ in.....	3.25
42 in.....	8½ in.....	6¼ in.....	4.00

We supply **all plants** for Window and Porch Boxes, Tubs, Urns, etc.

Specially prepared potting mold that will give best results. Peck, **40c**; bushel, **$1.25**; barrel, **$3.00.**

Let us advise you in your selection of plants.

We can please you and save you money.

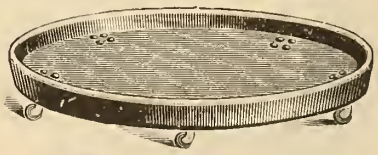
RAKES—Steel Bow Garden. Best, does not break; 12 teeth, **$1.10**; 14 teeth, **$1.20**; 16 teeth, **$1.30.**

Steel Bow

Garden Rake

Garden. 12 teeth, **65c**; 14 teeth, **75c**; 16 teeth, **85c.**

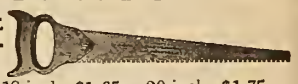
Lawn Rakes. (See Page 113.)



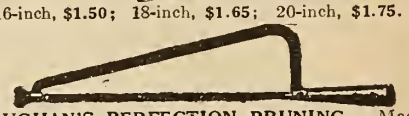
STAND. Rolling. For heavy plants. Made of indurated fiber ware. Castors have ball bearings; 12-inch, **$1.15**; 14-inch, **$1.40**; 16-inch, **$2.25**; 18-inch, **$2.75.**

TOOLS FOR PRUNING

SAWS, DOUBLE EDGED PRUNING.



16-inch, **$1.50**; 18-inch, **$1.65**; 20-inch, **$1.75.**



VAUGHAN'S PERFECTION PRUNING. Made of the best steel with adjustable blade, so any branch can be easily removed close to trunk of the tree. Can be used as a hand saw or fastened to any size pole. Each, **$2.35**; 3 for **$6.75.** Extra blades, **25c.**

CALIFORNIA POLE TRIMMER. Curved, draw-cut saw with hook for removing branches. Each, **$2.00.**

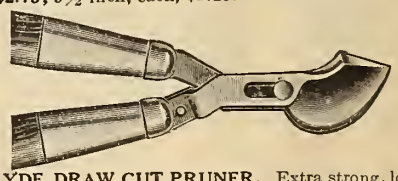
FORESTER PRUNING SAW. Makes heavy pruning easy and saves time. 26 inches long. Each, **$1.75**

PRUNING. 6-inch, nickel-plated, **$1.35**; 9-inch, **$1.65** Extra springs, each, **15c.**

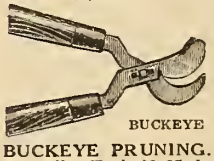
PRUNING. Best grade,, with double brass springs Each, **$2.00.**

LEVIN'S PRUNING. One of the best pruning shears made. Each, **85c.**

HENCKEL IMPORTED PRUNING SHEARS. With rachet, 7½-inch, each, **$2.50**; 8½-inch, each, **$2.75**; 9½-inch, each, **$3.25.**



CLYDE DRAW CUT PRUNER. Extra strong, long handle, **$3.25.**



BUCKEYE

BUCKEYE PRUNING. Long handle. Each, **$1.65**; large size, heavier, **$2.00.**

TREE PRUNERS. Waters'. Length of pole, 6 ft., **$1.65**; 8 ft., **$1.85**; 10 ft., **$2.00**; 12 ft., **$2.25.** Extra knives, each, **25c.**

No. 4, JOINTED TREE PRUNER. The cutting head is made truss shape from strong high grade rolled steel. The pole is made of 4 ft. lengths, making a tool convenient to carry on street car or automobile, and can be used as an 8 ft. or 12 ft. pruner. Price, complete, **$5.00.**

SEED SOWER. Cyclone. (New Improved Model). An accurate portable seeder, for all broadcast sowing or fertilizing. Fits comfortably over shoulder; provided with automatic adjustment for stopping flow of contents when required. A great time and labor saver. Each, **$2.00**

Vaughan's Nurseries' Condensed List

ASK FOR OUR COMPLETE NURSERY CATALOG—*FREE*

Our complete Nursery Catalogue, containing fully illustrated and descriptive list of vines, shrubs, shade trees, fruit trees, small fruits and grape vines, with invaluable planting suggestions, will be sent you upon request, FREE, postpaid. It contains Fourteen Plans for Planting the Home Grounds, by C. L. Burkholder, of Purdue University. If it does not accompany this catalogue, write for it. **POULTRY CATALOG**—A 32-page Poultry Catalog, illustrating, describing, and pricing our complete line of poultry feeds and supplies will be sent on request free, postpaid. Write for it if you are a keeper of poultry.

HARDY CLIMBING VINES

AMPELOPSIS VEITCHII. (Boston Ivy). 3-yr., each, **60c**; 3 for **$1.75**; doz., **$6.00.** 2-yr., each, **50c**; 3 for **$1.35**; doz., **$5.00.**
Pot Grown. (Ready June 1st). Each, **75c**; doz., **$8.00.**
Akebia Quinata Vine. 2-yr., each, **75c.**
Ampelopsis Engelmannii. (Engleman's Ivy). 2-yr., each, **50c.**
Ampelopsis Quinquefolia. (Virginia Creeper or Woodbine). 2-yr., **50c**; 3-yr., **65c.**
Aristolochia Sipho. (Dutchman's Pipe). 2-yr., each, **$1.25.**
Bignonia Radicans. (Trumpet Vine). 2-yr., each, **60c.**

CELASTRUS.
Scandens. (Climbing Bitter Sweet). 2-yr. vines, each, **65c**; 3-yr., **75c.**

CLEMATIS Japanese (Clematis Paniculata).
Prices, by mail, postpaid, 2-yr., each, **65c**; 3-yr., each, **80c.** By express, at buyer's expense, 2-yr., each, **60c**; 3-yr , each, **75c**; 4-yr., extra heavy, each, **$1.00**; 3-yr., pot grown, each, **$1.00.**
LARGE FLOWERING CLEMATIS. Duchess of Edinburgh. 2-yr., **$1.00.**
Henryi. (Bangholm Belle). **$1.00.**
Jackmanii. **$1.25.**
Mad. Baron Veillard. **$1.00.**
Mad. Edward Andre. **$1;00.**
Gold Medal Collection. One 2-year old root, each Jackmanii, Duchess of Edinburg and Mad. Ed. Andre, **$3.00.**
VARIOUS SPECIES OF CLEMATIS.
Coccinea. 2-yr., each, **75c.**
Crispa. 2-yr., each, **75c.**
Virginiana. 2-yr., each, **60c.**

EUONYMUS RADICANS VEGETUS. 2-yrs., **75c.**

HONEYSUCKLES. (Lonicera). Belgica. (Sweet Scented Monthly). 2-yr., **75c.**
Fuchsioides. (Scarlet Trumpet or Sempervirens). 2-yr. only, **75c.**
Hall's Japanese Honeysuckle. (Lonicera Halleana). 2-yr., **75c**; 3-yr., **90c.**

KUDZU VINE. (Pueraria Thunbergiana) or Jack-and-the-Bean-Stalk-Vine. Strong roots, each, **50c**; 3 for **$1.35**; doz , **$5.00.**

MATRIMONY VINE (Lycium). Strong 2-yr., each, **50c.**

WILD GRAPE VINE. 2-yr , each, **65c.**

WISTARIA MAGNIFICIA. 2-yr , extra strong **65c**; 3-yr., extra strong, **80c.**

SHRUBS

ALMOND DOUBLE-FLOWERING. (B). Double Pink or Double White, bushy, 2 to 3 ft., **$1.25**; 3 to 4 ft., **$1.50.**

ALTHEA FRUTEX. (Rose of Sharon). (A).
Double White, Pink or Red, extra bushy, 2 to 3 ft., **75c**; 3 to 4 ft., **$1.00**
Single Blue, 2 to 3 ft., bushy, **75c.**

ARALIA. (The Angelica Tree)
Pentaphylla. (B). 3 to 4 ft., bushy, **90c.**
Spinosa (Hercule's Club). 3 to 4 ft., **90c.**

BERBERIS. (Barberry).
Ilicifolia. (Holly-leaved Barberry). (B). 2 to 2½ ft., **$1.35**; 3 ft. Specimens, **$1.75.**
These prices are for stock with ball of earth and burlapped.
Thunbergii (Japanese Barberry). (B). 2-yr., 12 to 18-inch, each, **50c**; per 100, **$40.00.** 3-yr., 18 to 24-inch, each, **65c**; per 100, **$50.00.**

BOX-BARBERRY. The New Hardy Edging and Dwarf Hedge.
3-yr., each, **65c**; 10 for **6.00**; per 100, **$50.00.**

BUDDLEIA VARIABILIS VEITCHIANA. (Summer Lilac) (B). 2-yr., **75c.**

CALYCANTHUS FLORIDUS. (Sweet Shrub). (A). 2 to 3 ft., bushy. **80c,**

CORNUS. (Dogwood). (B).
Mascula. (Cornelian Cherry). (B). 4 to 5 ft., **$1.00.**
Sanguinea. (Red-branched Dogwood) (B). 4 to 5 ft , bushy, **$1.00.**
Sericia. (Silky Dogwood). 2 to 3 ft., **50c.**
Sibirica. (Siberian Red Osier). 2 to 3 ft., **65c.**
Stolonifera. (Native Red Osier). 3 to 4 ft., **65c.**
Stolonifera Aurea. (Golden-twigged Osier). 2 to 3 ft., extra bushy, **75c.**

SHIPPING DIRECTIONS

Shrub orders amounting to $8.00 and over and mixed orders, part Shrubs and Trees, amounting to $10.00 include prepayment either by express or freight, within limits of Chicago, otherwise Shrubs and Trees must be sent by express or freight, customers paying charges. Always give full and explicit shipping directions, as our responsibility ends on delivery of Shrubs and Trees in good condition to the freight or express office. All Trees, Shrubs and Plants shipped subject to customers assuming risk regarding State Entomology requirements.

Explanation of Symbols Used After Names of Plants

A denotes shrubs which attain 9 to 12 feet in height at maturity.
B denotes shrubs which attain 5 to 8 feet in height at maturity.
C denotes shrubs which attain 1 to 4 feet in height at maturity.

COTONEASTER ACUTIFOLIA. (Black-Fruited Quinceberry). 3 to 4 ft., **85c**; per 100, **$60.00.**

CRAB. (Bechtel's Double-Flowering). (A). 4 to 5 ft., extra fine, **$2.75.**

CYDONIA. (Pyrus)
Japonica. (Japan Quince). **(B).** 3 to 4 ft., **85c**; 4 to 5 ft., **$1.00.**

DEUTZIA.
Gracilis. (C). 18 to 24 inches, **75c.**
Lemoinei. (B). 18 to 24 in., **85c.**
Pride of Rochester. (B). 2 to 3 ft., **50c.**

EUONYMUS. (Strawberry or Burning Bush).
Alatus. (Winged Burning Bush. **(B).** 2 to 3 ft , **$1.75**; 3 to 4 ft., bushy, **$2.50**; 6 to 8 ft., Specimens, **$8.00** to **$10.00**; balled and burlapped,

FORSYTHIA. (Golden Bell). (B).
Intermedia. 2 to 3 ft., **50c.**
Guelder Rose—See Viburnum Sterile.

HAMAMELIS VIRGINICA. (Witch Hazel). (B). 2 to 3 ft., **80c.**

HIPPOPHAEA RHAMNOIDES. (Sea Buckthorn). (B). 4 to 5 ft., **80c.**

HYDRANGEA ARBORESCENS GRANDIFLORA "SNOWBALL." (C). 2-yr., **75c**; 3-yr., **90c.**

HYDRANGEA PANICULATA GRANDIFLORA. (A). 2-yr., bushy, **75c**; 3-yr., bushy, **90c.**
Tree Form. (A). 2½ to 3-ft. stems, **$2.00.**

LIGUSTRUM. (Privet).
Amurense. (Amoor Privet). **(B).** 2 to 3 ft., extra bushy, **50c**; per 100, **$30.00**; 3 to 4 ft., extra bushy, **65c**; per 100, **$40.00.**
Ibota. (Chinese Privet). **(B).** 2 to 3 ft., extra bushy, **50c**; per 100, **$30.00**; 3 to 4 ft., extra bushy, **60c**; per 100, **$40.00**; 4-ft. Specimens, **90c.**

LILAC. (True Syringa). (B).
Bertha Dammann. 4 to 5 ft., **$2.00.**
Charles X. 4 to 5 ft., **$1.75.**
Japonica. 4 to 5 ft., **$1.75.**
Mad. Lemoine. 4 to 5 ft., **$2.00**; 5 to 6 ft., **$2.50**; 6 to 7 ft., **$3.00.**
Marie Legraye. 4 to 5 ft., **$1.75**; 5 to 6 ft., **$2.00.**
Michael Buchner. 4 to 5 ft., **$2.00**; 5 to 6 ft., **$2.50.**
Persian Purple. 2 to 3 ft., **85c**; 3 to 4 ft., **$1.00.**
Vulgaris Purpurea. (Common Lilac). 3 to 4 ft., extra bushy, **75c**; per 100, **$60.00**; 4 to 5 ft., extra bushy, **85c**; per 100, **$70.00**; 5 to 6 ft., **$1.00**; per 100, **$80.00**; 7 to 8 ft., **$1.75.**

LILAC TREE FORM. Japonica. 5 to 6 ft., **$2.25**; 6 to 7 ft., **$3.00.**

LONICERA. (Bush Honeysuckle).
Morrowii. (Japanese Bush Honeysuckle). **(B).** 2 to 3 ft., **50c.**
Bella Candida. 2 to 3 ft., **50c.**
Ruprechtiana. 2 to 3 ft., **50c.**
Tatarica Alba. (White Tartarian). **(B).** 4 to 5 ft., extra bushy, **90c.**
Tatarica Rosea. (Pink Tartarian). **(B).** 3 to 4 ft., **65c**; 4 to 5 ft., **80c**;

LYCIUM. (Matrimony Vine)
Barbarum. 2-yr., **50c.**

MAGNOLIA SOULANGEANA. 3 to 4 ft., balled and burlapped, **$10.00** each.

MALUS (Pyrus).
Arbutifolia. (Choke-Berry). 3 to 4 ft., **80c**; 4 to 5 ft., **$1.00.**
Nigra. (Black Choke-Berry). 3 to 4 ft., **80c.**
Coronaria. 4 to 5 ft., **$2.00.**
Spectabilis Fl. Albo Pleno. 5 to 6 ft., Specimens, **$2.00.**
Niedwetskiana. 6 to 7 ft., **$2.00**; 7 to 8 ft., **$2.50.**

MORUS. (Mulberry). Tatarica. (Russian). 7 to 8 ft., **$1.00.**

PHILADELPHUS OR SYRINGA. (Mock Orange).
Avalanche. (B). 2 to 3 ft., bushy, **80c.**
Bouquet Blanc. 3 to 4 ft., bushy, **90c.**
Grandiflorus. (A). (Large-flowered Syringa or Mock Orange). 2 to 3 ft., **65c**; 3 to 4 ft., bushy, **75c.**
Coronarius. 3 to 4 ft., **75c.**
Lemoinei. 2 to 3 ft., **75c** each.
Lemoinei Conquette. 3 to 4 ft., **90c.**
Lomoinei Erectus. (B). 3 to 4 ft., bushy, **90c.**
Nivalis. 3 to 4 ft., **75c.**
PRIVET—See Ligustrum.

PRUNUS. (Plum). Ornamental and Flowering Varieties.
Pissardii. (A). (Purpled-leaved Plum). 4 to 5 ft , **$1 10**; 5 to 6 ft., **$1.25.**
Triloba. (B). (Double-flowered Plum). 3 to 4 ft., **$1.50.**

RHAMNUS. (Buckthorn).
Catharticus. (A). 3 to 4 ft., **60c**; 4 to 5 ft., **75c**; per 100, **$50.00**; 5 to 6 ft., **90c**; per 100, **$60.00**; 6 to 7 ft., **$1.10.**
Frangula. (Alder Buckthorn). **(B).** 5 to 6 ft., **$1.00.**

RHODOTYPOS KERRIODES. 2 to 3 ft , **70c.**

RHUS.
Aromatica. (Fragrant Sumach). **(C).** 3 to 4 ft., **90c.**
Copallina. (Dwarf or Shining Sumach). **(C).** 2 to 3 ft., **60c**; 3 to 4 ft., **75c.**
Glabra. (Smooth Sumach). 4 to 5 ft., **70c.**
Glabra Laciniata. (Cut-leaved Sumach). 2 to 3 ft., **75c.**
Typhina Laciniata. (Fern-leaved Staghorn Sumach). 3 to 4 ft., **70c**; 4 to 5 ft., **80c.**

ROSA. (Rose).
Blanda. 2-yr., **50c.**
Rubiginosa. (English Sweet Briar). 2-yr., **60c.**
Rugosa. 2-yr., **75c.**
Setigera. (Prairie Rose). 2-yr , **60c.**

SALIX. (Willow).
Britzensis. 5 to 6 ft., **75c.**
Discolor. (Pussy Willow). 3 to 4 ft., **65c**; per 100, **$50.00.**

SAMBUCUS. (Elder).
Nigra Aurea. (A). 3 to 4 ft., **75c.**
Nigra. 3 to 4 ft., **75c.**

SPIRAEA.
Anthony Waterer. (B). 12 to 18 in., **75c**; 18 to 24 in., **85c.**
Arguta Multiflora. (Snow Garland). 2 to 3 ft., **75c.**
Bethelhamensis. 3 to 4 ft., **75c.**
Billardii. (B). 2 to 3 ft., **60c.**
Callosa Alba. (Fortune's Dwarf White Spiraea). 12 to 18 in., **75c**; 18 to 24 in., **85c.**
Callosa Froebeli. 18 to 24 in., **75c.**
Opulifolia. (Nine Bark). 4 to 5 ft., extra bushy, **70c**; 5 to 6 ft., **85c.**
Opulifolia Aurea. (Golden-leaved Nine Bark). **(B).** 4 to 5 ft., **75c.**
Thunbergii. (Thunberg's Spiraea). **(B).** 18 to 24 in., **65c.**
Van Houttei. (Bridal Wreath). 2 to 3 ft., bushy, **60c**; 3 to 4 ft., bushy, **75c**; 4 to 5 ft., bushy, **90c**; 4 to 5 ft., extra bushy, **$1.10.**

SYMPHORICARPUS. (The Coral-Berry, Indian Currant and Snowberry).
Racemosus. (Snowberry). **(B).** 2 to 3 ft., **60c**; 3 to 4 ft., **75c.**
Vulgaris. (Coral-Berry or Indian Currant). **(B).** 2 to 3 ft., **60c**; 3 to 4 ft., bushy, **75c.**

TAMARIX. (B).
Amurense. 4 to 5 ft., **65c.**; 5 to 6 ft., **75c.**; 6 to 7 ft., **90c.**
Hispida Aestivalis. 3 to 4 ft., **75c.**; 4 to 5 ft., **90c.**

VIBURNUM. (The Arrow-woods, High Bush Cranberry and Snowballs).
Dentatum. (Arrow Wood). (B). 2 to 3 ft., 80c.
Lantana. (Early White Lantern-leaved Viburnum. (A). 3 to 4 ft., 75c; 4 to 5 ft., 90c.
Lentago. (Sheep Berry). 2 to 3 ft., extra bushy, 85c.
Molle. (Glossy Viburnum). 3 to 4 ft., 80c.
Opulus. (High Bush Cranberry). (A). 3 to 4 ft., extra bushy, 80c; 4 to 5 ft., $1.00; 6 to 7 ft., Specimens, $1.75.
Opulus Sterile. (The Old-fashioned "Snowball"). 3 to 4 ft., 90c.

WEIGELIA. (Diervilla). (B).
Amabilis. 2 to 3 ft., 80c; 3 to 4 ft., $1.00.
Candida. 2 to 3 ft., 80c; 3 to 4 ft., $1.00.
Eva Rathke. 2 to 3 ft., $1.00.
Nana Variegata. 2 to 3 ft., 80c.
Rosea. 2 to 3 ft., 80c; 3 to 4 ft., $1.00.

VAUGHAN'S FRUIT TREES

		Each	3	10
APPLES	4 to 5 ft.	$1.35	$3.65	$12.00
	5 to 6 ft.	1.75	4.95	15.00
	6 to 7 ft.	2.00	5.70	17.50
	7 to 8 ft.	2.50	8.40	22.50

We offer the following selected varieties:
Autumn Strawberry. 4 to 5 ft., 5 to 6 ft.
Baldwin. 4 to 5 ft., 5 to 6 ft.
Banana. 4 to 5 ft.
Ben Davis. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft.
Black Ben Davis. 4 to 5 ft., 5 to 6 ft.
Delicious. 4 to 5 ft.
Duchess of Oldenburg. 4 to 5 ft.
Early Harvest. 4 to 5 ft.
Fameuse. (Snow Apple). 4 to 5 ft.
Grimes' Golden. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft.
Jonathan. 4 to 5 ft.
McIntosh Red. 4 to 5 ft.
Northern Spy. 4 to 5 ft.
Northwestern Greening. 4 to 5 ft., 5 to 6 ft.
Red Astrachan. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft.
Rome Beauty. (Late Winter). 4 to 5 ft.
Tolman's Sweet. 4 to 5 ft.
Wagener. (Red Winter Apple). 4 to 5 ft.
Wealthy. 4 to 5 ft.
Winesap 4 to 5 ft.
Yellow Transparent. 4 to 5 ft., 6 to 7 ft.

FRUIT TREES—Continued.

CRAB APPLES. Prices same as Standard Apples.
Hyslop. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft.
Siberian. 4 to 5 ft., 7 to 8 ft.
Transcendent. 4 to 5 ft.
Whitney. 4 to 5 ft., 6 to 7 ft.

CHERRIES.
Any of the following (except where noted): 4 to 5-ft. trees. Each, $1.75; 3 for $4.95; 10 for $15.00.
Dyehouse.
Early Richmond.
Early Richmond. (Grafted on Morello). 4 ft. Each, $2.00.
English Morello.
Montmorency.
Windsor, $2.00.

DWARF APPLE AND PEAR TREES

DWARF APPLES. 3 to 4 ft. Each, $1.50.
Delicious, Duchess of Oldenburg, Wagener, Wealthy, Yellow Transparent.

DWARF PEARS. 3 to 4 ft. Each, $1 50. Bartlett, Clapp's Favorite, Duchess, Seckel, Kieffer.

	Each	3	10
PEARS. 4 to 5 ft.	$1.50	$4.20	$13.50
5 to 6 ft.	1.75	4.95	15.00
6 to 7 ft.	2.00	5.70	17.50

Bartlett. 4 to 5 ft.
Clapp's Favorite. 4 to 5 ft., 6 to 7 ft.
Duchess. 4 to 5 ft.
Early Harvest. 4 to 5 ft.
Flemish Beauty. 4 to 5 ft.
Kieffer. 4 to 5 ft., 5 to 6 ft.
Koonce. 4 to 5 ft., 5 to 6 ft.
Seckel. 4 to 5 ft.

PLUMS. Abundance. 4 to 5 ft. Each, **$1.75.**
Burbank. 4 to 5 ft. Each, $1.75.
Burwood. 6 to 7 ft. Each, $1.50.
De Sota. 4 to 5 ft. Each, $1.50.
Sapa. Each, $1.75.
Shropshire Damson. 4 to 5 ft. Each, $1.75.
Waneta. 4 to 5 ft., $2.00.

PEACHES. Price, the following 4 to 5 ft. trees, each, 90c; 3 for $2.40; 10 for $7.50.
Crawford's Early **Elberta**
Crawford's Late **Wonderful**
Crosby

SMALL FRUITS

BLACKBERRIES. Price, each, 25c; 3 for 65c; 10 for $1.50; per 100, $10.00.
If to go by mail, add 10c per doz. or 60c per 100 for postage and packing.
Ancient Briton. **Himalaya Giant.**
Blowers. **Eldorado.** **Snyder.**

GRAPES. Price (except as noted), 2-year, each 50c; 3 for $1.35; 10 for $4.00; 3-year, each 65c; 3 for $1.80; 10 for $5.50.
If to go by mail, add 10c each or 50c per 10 for postage and extra packing expense.
Agawam. (Red or Maroon).
Brighton. (Dark Red).
Caco. (New Red.) Each, $1.00; 3 for $2.85; 10 for $8.00.
Campbell's Early.—King of American Grapes. (Black). Price, 2-year-old vines, each 75c; 3 for $2.10; 10 for $6.50.
Lucile. (Red.) Each, 75c; 3 for $2.10; 10 for $6.50.
Catawba. Red). **Moore's Early.** (Black).
Concord. (Black). **Niagara.** (White).
Delaware. (Red). **Worden.** (Black).
Hubbard. (New Black.) Each, $1.50; 3 for $4.35.

RASPBERRIES.
Price (except where noted), each, 20c; 3 for 50c; 10 for $1.20; per 100, $7.50.
If to go by mail, add 10c per doz., 50c per 100 for postage and packing.
Colossal. (Red). **Cuthbert.** (Red).
Columbian. (Purple). **Gregg.** (Black).
Cumberland. (Black). **Golden Queen.** (Yellow).
Kansas. (Black). **Loudon.** (Red).
The Herbert Raspberry. (Red). Price, each, 30c; 3 for 70c; 10 for $2.00; per 100, $12.00.

EVER-BEARING RASPBERRY.
St. Regis. (Red). Price, each, 25c; 3 for 65c; 10 for $1.50; per 100, $7.50.
La France. (Red.) Each, 60c; 3 for $1.65; 10 for $5.00.
White Queen. (White.) Each, 60c; 3 for $1.65; 10 for $5.00.

RHUBARB.
Vaughan's Mammoth Rhubarb Roots.
If to go by mail allow for postage, 1-year, 1 lb; 2-year, 1½ lbs.; 3-year, 2 lbs.
1-year, each, 20c; 3 for 45c; 10 for $1.30. 2-year, each, 30c; 3 for 75c; 10 for $2.25. 3-year, each, 50c; 3 for $1.35; 10 for $4.00.

Vaughan's VIGOR Strawberry Plants

Price, postpaid up to the 4th zone, 25 for **50c**; 100 plants for **$1.50.** Postpaid from 4th zone to 8th zone, 25 for **60c**; 100 for **$1.75.** By express, at buyer's expense, 100 for **$1.35**; 500 for **$6.50**; 1000 for **$12.00.** Write for prices on larger lots.

Our plants are grown under ideal conditions in Northern Michigan. Note illustration for root development of a single, specimen. They have been developed from selected plants. We expect to make "Vaughan's Vigor" Strawberry Plant the standard for the country. We know you will be pleased. Varieties below are up-to-date.

Write for pamphlet on Strawberry Culture.

AROMA. (Per.) Late. One of the most popular late varieties. Fruit large to very large; holds its size well throughout all the pickings. Berry is roundish, conical, smooth and perfect in form and of a beautiful bright glossy red in color; very firm and of high quality. Its rich aromatic flavor has suggested its name. The habit of spreading which this variety possesses opens the way for the sunlight to reach the crown. The leaves are broad, clean and smooth and of a dark green color.

BIG JOE. (Per.) Late. Fruit large roundish, conical, even in size and shape and holds its size well until the last picking. Dark glossy red, firm and of excellent quality, adapted to practically all conditions of soil and climate. A splendid producer. A good pollenizer for the late imperfect blossoming varieties. Also known as the Joe Johnson.

BRANDYWINE. (Per.) Medium late. Large deep red fruit, and a fancy market product. Flesh firm and red all the way through. The flavor of Brandywine is very distinctive. A general favorite because of its many fine points and its high productivity. Foliage dark green, roots deep, enabling it to endure more dry weather than most varieties. It thrives in any kind of soil and under any reasonable climatic conditions. Price, 100, $1.25; 1000, $9.00.

DR. BURRELL. (Per.) Medium early. The berries are large, delicious and beautifully formed. The surface of the berry is a deep glossy red only a trifle lighter in color than the Senator Dunlap. The meat is solid and rich. Its long and heavy root system makes it a splendid drought resister. The foliage is large and of a dark green, having a tough leaf tissue insuring freedom from leaf spots.

GIBSON. (Per.) Medium early. Berries are large and regular in shape, holding their size well to the end of the season. Color rich red. Flavor is neither sweet nor sour, but just right for canning. Extremely productive, in fact we know of no variety that will produce more quarts of berries per acre than the Gibson. It makes a strong vigorous plant that withstands adverse conditions admirably. This variety seems to embody every requirement neeessary for a profitable berry. We recommend it and know you will not make any mistake in planting Gibson.

HERITAGE. The plant is very large, of extremely heavy texture, some single-crown plants carrying foliage with a spread of 20 to 22 inches. Deep rooted and extremely free in fruiting, beginning to ripen its fruit about early midseason and continuing to very late. The berry is dark, shiny, crimson to the center. Has a perfect blossom. Carries an unusually heavy green calyx, adding decidedly to its market value. Extremely large from the first picking to much above the average for the main crop and continuing large after the better known varieties are gone. We have fruited the Heritage for several seasons and every year grow more enthusiastic over it. Don't fail to include this one in your list, as it will prove a money-maker for you.

PREMIER. (Per.) Early. Berries are large, beautifully formed, red through and through; flavor delicious. A splendid shipper. The deep heavy rooting system makes the plant a strong drought resister, and it is especially adapted to any soil or climate, giving you a big crop of fancy berries which will sell at highest prices. Where extra fancy early fruit is wanted we advise this.

SENATOR DUNLAP. (Per.) Midseason. The fruit is dark red with glossy finish, shading to a deep scarlet on the underside. The meat is a bright red all through and exceedingly juicy. It succeeds everywhere and with everybody—the new beginner as well as with the veteran grower—but should not be allowed to mat too thickly. For a medium sized productive early to midseason berry you need not hesitate to plant Dunlap. One of the best and most popular.

SPECIAL OFFER No. 118. A Strawberry collection, 100 fine strong plants (Spring delivery only) in four good sorts, our selection, postpaid, for **$1.50.**

PROGRESSIVE. (Fall bearing.) You can have strawberries just as easily in the Fall as in the Spring by planting the Progressive which is the best of all Fall or Everbearing Strawberries. This is the strongest growing plant of all the Fall-bearing varieties we have tried. The plants are very large and heavily rooted, producing a phenomenal crop of medium to large fruits of a dark red color, both inside and out, and of sweet mild flavor. Think of having all the berries you can use on your table during the months of September, October and November, and later, if not killed by freezing weather. Price, of Fall bearing, 25 for $1.00; 50 for $1.50; 100 for $2.50; postpaid up to the 4th zone; 500 for $11.50; 1000 for $20.00; by express at buyer's expense.

POT GROWN STRAWBERRIES FOR FALL PLANTING

Ready about August 1st. Selection from above list, doz., 75c; per 100, $5.00. Fall bearing, doz., 85c; per 100, $6.00.
Not less than 25 at the 100 rate by express at buyer's expense.

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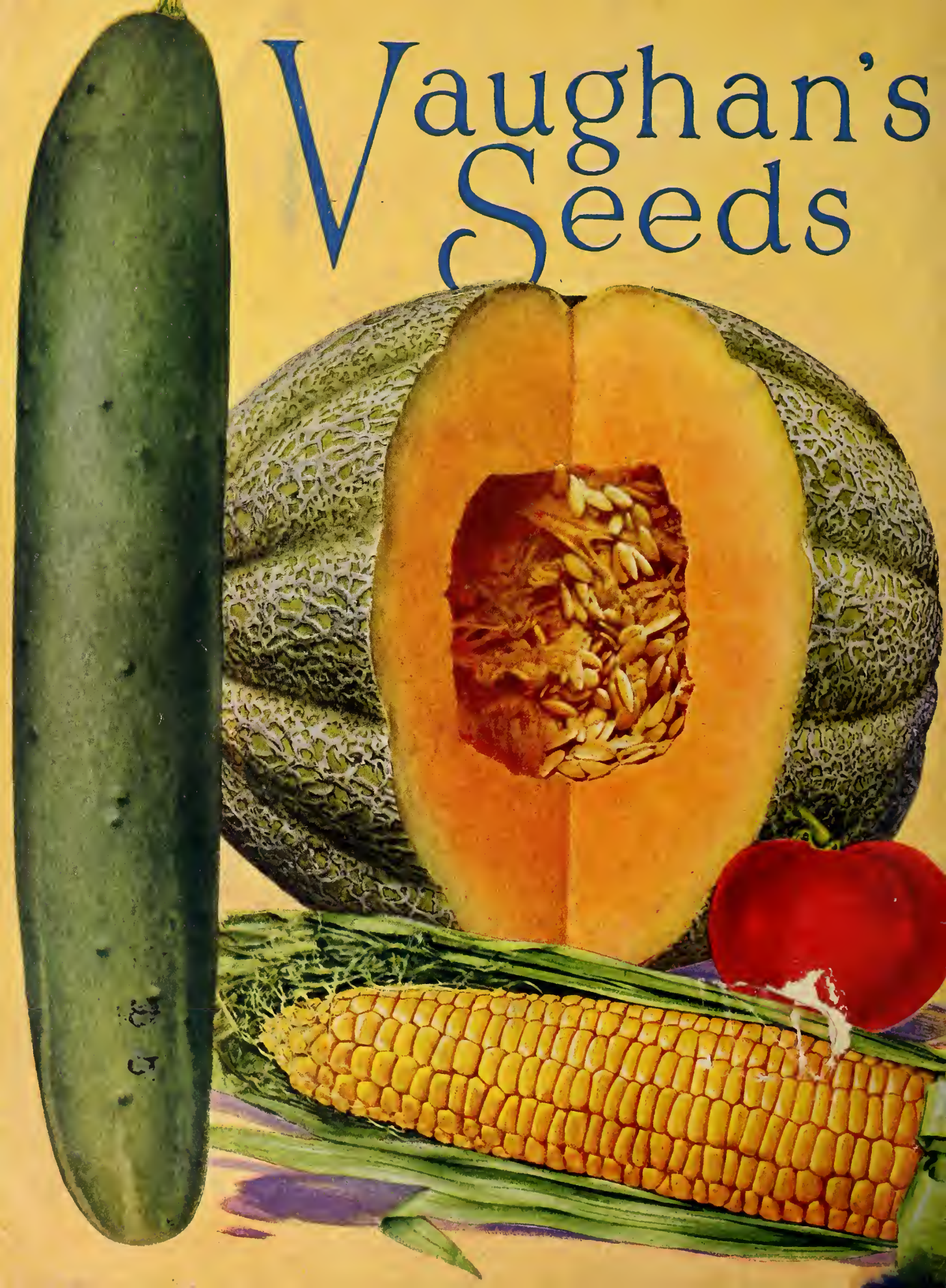
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